

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptansci1625

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JAN 02	STN pricing information for 2008 now available
NEWS	3	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS	4	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS	5	JAN 28	MARPAT searching enhanced
NEWS	6	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS	7	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS	8	JAN 28	MEDLINE and LMEADLINE reloaded with enhancements
NEWS	9	FEB 08	STN Express, Version 8.3, now available
NEWS	10	FEB 20	PCI now available as a replacement to DPCI
NEWS	11	FEB 25	IFIREF reloaded with enhancements
NEWS	12	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS	13	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification
NEWS	14	MAR 31	IFICDB, IFIPAT, and IFIUDB enhanced with new custom IPC display formats
NEWS	15	MAR 31	CAS REGISTRY enhanced with additional experimental spectra
NEWS	16	MAR 31	CA/CAPLUS and CASREACT patent number format for U.S. applications updated
NEWS	17	MAR 31	LPCI now available as a replacement to LDPCI
NEWS	18	MAR 31	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	19	APR 04	STN AnaVist, Version 1, to be discontinued
NEWS	20	APR 15	WPIDS, WPINDEX, and WPIX enhanced with new predefined hit display formats
NEWS	21	APR 28	EMBASE Controlled Term thesaurus enhanced
NEWS	22	APR 28	IMSRESEARCH reloaded with enhancements
NEWS	23	MAY 30	INPAPAFMDB now available on STN for patent family searching
NEWS	24	MAY 30	DGENE, PCTGEN, and USGENE enhanced with new homology sequence search option
NEWS	25	JUN 06	EPFULL enhanced with 260,000 English abstracts
NEWS	26	JUN 06	KOREAPAT updated with 41,000 documents
NEWS	27	JUN 13	USPATFULL and USPAT2 updated with 11-character patent numbers for U.S. applications
NEWS	28	JUN 19	CAS REGISTRY includes selected substances from web-based collections
NEWS	29	JUN 25	CA/CAPLUS and USPAT databases updated with IPC reclassification data
NEWS	30	JUN 30	AEROSPACE enhanced with more than 1 million U.S.

NEWS 31 JUN 30 patent records  
 EMBASE, EMBAL, and LEMBASE updated with additional  
 options to display authors and affiliated  
 organizations  
 NEWS 32 JUN 30 STN on the Web enhanced with new STN AnaVist  
 Assistant and BLAST plug-in  
 NEWS 33 JUN 30 STN AnaVist enhanced with database content from EPFULL  
 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,  
 AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.  
 NEWS HOURS STN Operating Hours Plus Help Desk Availability  
 NEWS LOGIN Welcome Banner and News Items  
 NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that  
 specific topic.

All use of STN is subject to the provisions of the STN Customer  
 agreement. Please note that this agreement limits use to scientific  
 research. Use for software development or design or implementation  
 of commercial gateways or other similar uses is prohibited and may  
 result in loss of user privileges and other penalties.

\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 18:10:16 ON 11 JUL 2008

```
=> fil reg
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                               ENTRY      SESSION
FULL ESTIMATED COST          0.21      0.21
```

FILE 'REGISTRY' ENTERED AT 18:10:33 ON 11 JUL 2008  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
 provided by InfoChem.

STRUCTURE FILE UPDATES: 10 JUL 2008 HIGHEST RN 1033542-87-8  
 DICTIONARY FILE UPDATES: 10 JUL 2008 HIGHEST RN 1033542-87-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when  
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
 predicted properties as well as tags indicating availability of  
 experimental property data in the original document. For information  
 on property searching in REGISTRY, refer to:

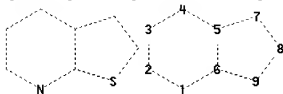
<http://www.cas.org/support/stngen/stndoc/properties.html>

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Program Files\Stnexp\Queries\Thienopyridine071108.str



ring nodes :

1 2 3 4 5 6 7 8 9

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom

L1 STRUCTURE UPLOADED

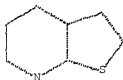
=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s sss sam l1

SAMPLE SEARCH INITIATED 18:10:58 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 4223 TO ITERATE

47.4% PROCESSED 2000 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

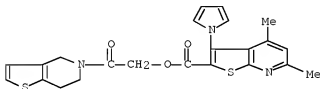
PROJECTED ITERATIONS: 80563 TO 88357

PROJECTED ANSWERS: 39596 TO 45116

L3 50 SEA SSS SAM L1

=> d scan

L3 50 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
IN Thieno[2,3-b]pyridine-2-carboxylic acid, 4,6-dimethyl-3-(1H-pyrrol-1-yl)-,  
2-(6,7-dihydrothieno[3,2-c]pyridin-5(4H)-yl)-2-oxoethyl ester  
MF C23 H21 N3 O3 S2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s sss full l1  
FULL SEARCH INITIATED 18:11:13 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 85309 TO ITERATE

100.0% PROCESSED 85309 ITERATIONS 42183 ANSWERS  
SEARCH TIME: 00.00.01

L4 42183 SEA SSS FUL L1

=> save l4 thienopyridine/a  
THIENOPYRIDINE/A IS NOT A VALID SAVED NAME  
Enter the name you wish to use for the saved query,  
answer set, or L-number list. The name must:  
1. Begin with a letter,  
2. Have 1-12 characters,  
3. Contain only letters (A-Z) and numbers (0-9),  
4. End with /Q for a query (search profile,  
structure, or screen set), /A for an answer  
set, or /L for an L-number list.  
5. Not already be in use as a saved name,  
6. Not be END, SAV, SAVE, SAVED  
7. Not have the form of an L-number (Lnnn).  
ENTER NAME OR (END):end

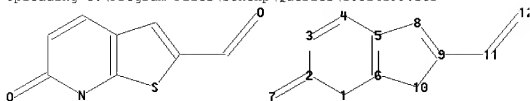
=> save l4 thpr07112008/a  
ANSWER SET L4 HAS BEEN SAVED AS 'THPR07112008/A'

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\Program Files\Stnexp\Queries\10524199.str



chain nodes :

7 11 12

ring nodes :

1 2 3 4 5 6 8 9 10

chain bonds :

2-7 9-11 11-12

ring bonds :

1-6 1-2 2-3 3-4 4-5 5-6 5-8 6-10 8-9 9-10

exact/norm bonds :

1-6 1-2 2-3 2-7 3-4 4-5 5-6 5-8 6-10 8-9 9-10 11-12

exact bonds :

9-11

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom

11:CLASS 12:CLASS

L5 STRUCTURE UPLOADED

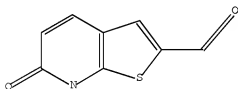
=> que L5

L6 QUE L5

=> d l6

L6 HAS NO ANSWERS

L5 STR



Structure attributes must be viewed using STN Express query preparation.

L6 QUE ABB=ON PLU=ON L5

=> s sss sam subset=14 l6

SAMPLE SUBSET SEARCH INITIATED 18:15:57 FILE 'REGISTRY'

SAMPLE SUBSET SCREEN SEARCH COMPLETED - 976 TO ITERATE

100.0% PROCESSED 976 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

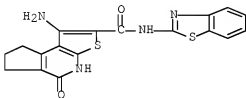
SEARCH TIME: 00.00.01

PROJECTIONS (WITHIN SPECIFIED SUBSET):                    ONLINE    \*\*COMPLETE\*\*  
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET):            17646 TO    21394  
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET):                964 TO       1996

L7                    50 SEA SUB=L4 SSS SAM L5

=> d scan

L7    50 ANSWERS    REGISTRY    COPYRIGHT 2008 ACS on STN  
IN    4H-Cyclopenta[d]thieno[2,3-b]pyridine-2-carboxamide, 1-amino-N-2-  
      benzothiazolyl-5,6,7,8-tetrahydro-5-oxo-  
MF    C18 H14 N4 O2 S2



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

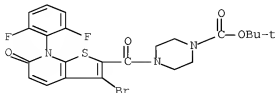
=> s sss full subset=l4 l6  
FULL SUBSET SEARCH INITIATED 18:16:57 FILE 'REGISTRY'  
FULL SUBSET SCREEN SEARCH COMPLETED -    20120 TO ITERATE

100.0% PROCESSED    20120 ITERATIONS                    1498 ANSWERS  
SEARCH TIME: 00.00.01

L8                    1498 SEA SUB=L4 SSS FUL L5

=> d scan

L8    1498 ANSWERS    REGISTRY    COPYRIGHT 2008 ACS on STN  
IN    INDEX NAME NOT YET ASSIGNED  
MF    C23 H22 Br F2 N3 O4 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> fil caplu

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

225.06

225.27

FILE 'CAPLUS' ENTERED AT 18:17:26 ON 11 JUL 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 11 Jul 2008 VOL 149 ISS 3

FILE LAST UPDATED: 10 Jul 2008 (20080710/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicyv.html>

=> s l8

L9 41 L8

=> s l9 and (ay<2003 or py<2003 or pry<2003)

4491652 AY<2003

22935571 PY<2003

3959716 PRY<2003

L10 28 L9 AND (AY<2003 OR PY<2003 OR PRY<2003)

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

14.52

239.79

FILE 'REGISTRY' ENTERED AT 18:27:39 ON 11 JUL 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 10 JUL 2008 HIGHEST RN 1033542-87-8

DICTIONARY FILE UPDATES: 10 JUL 2008 HIGHEST RN 1033542-87-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

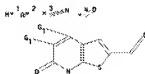
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10524199A.str



chain nodes :  
7 11 12 13 14 17 18 19 20 24 25  
ring nodes :  
1 2 3 4 5 6 8 9 10  
chain bonds :  
2-7 3-24 4-25 9-11 11-12 17-18 19-20  
ring bonds :  
1-6 1-2 2-3 3-4 4-5 5-6 5-8 6-10 8-9 9-10  
exact/norm bonds :  
1-6 1-2 2-3 2-7 3-4 3-24 4-5 4-25 5-6 5-8 6-10 8-9 9-10 11-12 17-18  
19-20  
exact bonds :  
9-11

G1:[\*1],[\*2],[\*3],[\*4]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS  
24:CLASS 25:CLASS

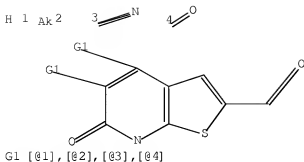
L11 STRUCTURE UPLOADED

=> d l11

L11 HAS NO ANSWERS

L11 STR





Structure attributes must be viewed using SIN Express query preparation.

=> s sss sam subset=l4 l11

SAMPLE SUBSET SEARCH INITIATED 18:28:09 FILE 'REGISTRY'

SAMPLE SUBSET SCREEN SEARCH COMPLETED - 976 TO ITERATE

100.0% PROCESSED 976 ITERATIONS

49 ANSWERS

SEARCH TIME: 00.00.01

PROJECTIONS (WITHIN SPECIFIED SUBSET):

ONLINE \*\*COMPLETE\*\*

PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET):

17646 TO 21394

PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET):

560 TO 1400

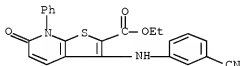
L12 49 SEA SUB=L4 SSS SAM L11

=> d scan

L12 49 ANSWERS REGISTRY COPYRIGHT 2008 ACS on SIN

IN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester

MF C23 H17 N3 O3 S



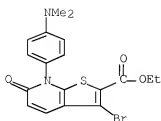
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):5

L12 49 ANSWERS REGISTRY COPYRIGHT 2008 ACS on SIN

IN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-, ethyl ester

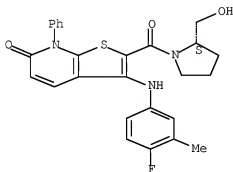
MF C18 H17 Br N2 O3 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

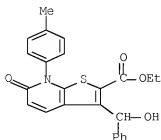
L12 49 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-  
 [[(2S)-2-(hydroxymethyl)-1-pyrrolidiny]carbonyl]-7-phenyl-  
 MF C26 H24 F N3 O3 S

Absolute stereochemistry.



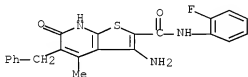
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L12 49 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-  
 (hydroxyphenylmethyl)-7-(4-methylphenyl)-6-oxo-, ethyl ester  
 MF C24 H21 N O4 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

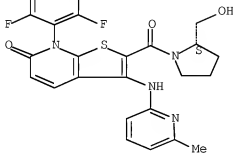
L12 49 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
IN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-N-(2-fluorophenyl)-6,7-  
dihydro-4-methyl-6-oxo-5-(phenylmethyl)-  
MF C22 H18 F N3 O2 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L12 49 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
IN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[[{(2S)-2-  
(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]-  
MF C25 H22 F2 N4 O3 S

Absolute stereochemistry.

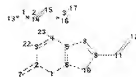
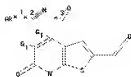


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=>

Uploading C:\Program Files\Stnexp\Queries\10524199B.str



```

chain nodes :
7 11 12 13 14 15 16 17 22 23
ring nodes :
1 2 3 4 5 6 8 9 10
chain bonds :
2-7 3-22 4-23 9-11 11-12 14-15 16-17
ring bonds :
1-6 1-2 2-3 3-4 4-5 5-6 5-8 6-10 8-9 9-10
exact/norm bonds :
1-6 1-2 2-3 2-7 3-4 3-22 4-5 4-23 5-6 5-8 6-10 8-9 9-10 11-12 14-15
16-17
exact bonds :
9-11

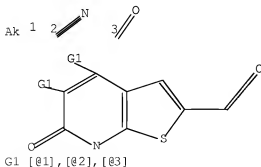
```

G1:[\*1],[\*2],[\*3]

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:Atom 9:Atom 10:Atom  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 22:CLASS  
23:CLASS

L13 STRUCTURE UPLOADED

=> d l13  
L13 HAS NO ANSWERS  
L13 STR



Structure attributes must be viewed using STN Express query preparation.

=> s sss sam subset=14 l13  
SAMPLE SUBSET SEARCH INITIATED 18:33:24 FILE 'REGISTRY'  
SAMPLE SUBSET SCREEN SEARCH COMPLETED - 728 TO ITERATE

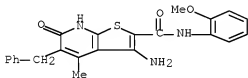
100.0% PROCESSED 728 ITERATIONS 9 ANSWERS  
SEARCH TIME: 00.00.01

PROJECTIONS (WITHIN SPECIFIED SUBSET): ONLINE \*\*COMPLETE\*\*  
PROJECTED ITERATIONS (WITHIN SPECIFIED SUBSET): 12942 TO 16178  
PROJECTED ANSWERS (WITHIN SPECIFIED SUBSET): 9 TO 360

L14 9 SEA SUB=L4 SSS SAM L13

=> d scan

L14 9 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
IN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-6,7-dihydro-N-(2-methoxyphenyl)-4-methyl-6-oxo-5-(phenylmethyl)-  
MF C23 H21 N3 O3 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

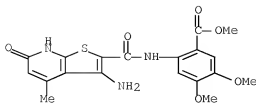
=> s sss full subset=14 l11  
FULL SUBSET SEARCH INITIATED 18:34:05 FILE 'REGISTRY'  
FULL SUBSET SCREEN SEARCH COMPLETED - 20120 TO ITERATE

100.0% PROCESSED 20120 ITERATIONS 1012 ANSWERS  
SEARCH TIME: 00.00.01

L15 1012 SEA SUB=L4 SSS FUL L11

=> d scan

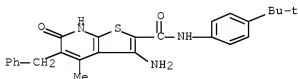
L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
IN Benzoic acid, 2-[[[(3-amino-6,7-dihydro-4-methyl-6-oxothieno[2,3-b]pyridin-2-yl)carbonyl]amino]-4,5-dimethoxy-, methyl ester  
MF C19 H19 N3 O6 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

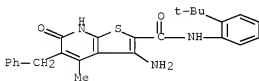
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-N-[4-(1,1-dimethylethyl)phenyl]-6,7-dihydro-4-methyl-6-oxo-5-(phenylmethyl)-  
 MF C26 H27 N3 O2 S



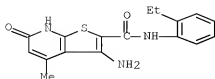
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-N-[2-(1,1-dimethylethyl)phenyl]-6,7-dihydro-4-methyl-6-oxo-5-(phenylmethyl)-  
 MF C26 H27 N3 O2 S



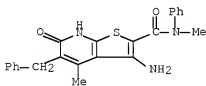
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-N-(2-ethylphenyl)-6,7-dihydro-4-methyl-6-oxo-  
 MF C17 H17 N3 O2 S



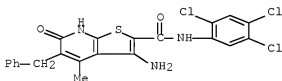
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-6,7-dihydro-N,4-dimethyl-6-  
 oxo-N-phenyl-5-(phenylmethyl)-  
 MF C23 H21 N3 O2 S



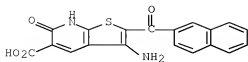
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-6,7-dihydro-4-methyl-6-oxo-5-  
 (phenylmethyl)-N-(2,4,5-trichlorophenyl)-  
 MF C22 H16 Cl3 N3 O2 S



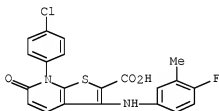
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-(2-  
 naphthalenylcarbonyl)-6-oxo-  
 MF C19 H12 N2 O4 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

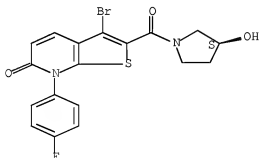
L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-  
 MF C21 H14 Cl F N2 O3 S  
 CI COM



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(4-fluorophenyl)-2-[[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-  
 MF C18 H14 Br F N2 O3 S

Absolute stereochemistry.



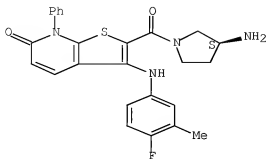
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
 IN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[[(3S)-3-amino-1-pyrrolidinyl]carbonyl]-



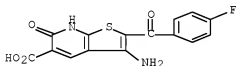
3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl-  
MF C25 H23 F N4 O2 S

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L15 1012 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN  
IN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-(4-fluorobenzoyl)-6,7-  
dihydro-6-oxo-  
MF C15 H9 F N2 O4 S



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> d his

(FILE 'HOME' ENTERED AT 18:10:16 ON 11 JUL 2008)

FILE 'REGISTRY' ENTERED AT 18:10:33 ON 11 JUL 2008

L1 STRUCTURE UPLOADED  
L2 QUE L1  
L3 50 S SSS SAM L1  
L4 42183 S SSS FULL L1  
SAVE L4 THPR07112008/A  
L5 STRUCTURE UPLOADED  
L6 QUE L5  
L7 50 S SSS SAM L6 SUB=L4  
L8 1498 S SSS FULL L6 SUB=L4

FILE 'CAPLUS' ENTERED AT 18:17:26 ON 11 JUL 2008  
L9 41 S L8  
L10 28 S L9 AND (AY<2003 OR PY<2003 OR PRY<2003)

FILE 'REGISTRY' ENTERED AT 18:27:39 ON 11 JUL 2008  
L11 STRUCTURE UPLOADED  
L12 49 S SSS SAM L11 SUB=L4  
L13 STRUCTURE UPLOADED  
L14 9 S SSS SAM L13 SUB=L4  
L15 1012 S SSS FULL L11 SUB=L4

=> fil caplu  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 47.62 287.41

FILE 'CAPLUS' ENTERED AT 18:34:51 ON 11 JUL 2008  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 11 Jul 2008 VOL 149 ISS 3  
FILE LAST UPDATED: 10 Jul 2008 (20080710/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicyv.html>

=> s l15  
L16 23 L15  
=> s l16 and (ay<2003 or py<2003 or pry<2003)  
4491652 AY<2003  
22935571 PY<2003  
3959716 PRY<2003  
L17 13 L16 AND (AY<2003 OR PY<2003 OR PRY<2003)

=> d ibib abs hitstr l16 1-23

L16 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2008 ACS ON STN  
ACCESSION NUMBER: 2008:673573 CAPLUS Full-text  
DOCUMENT NUMBER: 149:32285  
TITLE: Aminothienopyridinone derivatives as p38 MAP kinase inhibitors and their preparation, pharmaceutical compositions and use in the treatment of diseases

INVENTOR(S): Davis, Jeremy Martin; Brookings, Daniel Christopher;  
 Langham, Barry John; Hutchings, Martin Clive  
 PATENT ASSIGNEE(S): UCB Pharma, S.A., Belg.  
 SOURCE: PCT Int. Appl., 37pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008064829	A2	20080605	WO 2007-EP10189	2007/1123
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, GE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRIORITY APPLN. INFO.:			GB 2006-23955	A 20061130
			EP 2007-1807	A 20070127
GI				

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

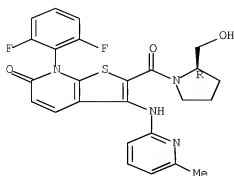
AB The invention relates to 3-aminothienopyridinone derivs. of formula I, to processes for preparing them, to pharmaceutical compns. containing them and to their use as pharmaceuticals. Compds. of formula I wherein R1 and R2 are independently C1-3 alkyl, halo and OH; m and n are independently 1-3; R3R4 taken together to form (un)substituted 4- to 6-membered non-aromatic heterocycle; and their pharmaceutically acceptable salts, stereoisomers, geometrical isomers, enantiomers and diastereoisomers thereof, are claimed. Example compound II was prepared by N-arylation of 3-bromo-7-(2,6-difluorophenyl)-2-((2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl)pyrrolidin-1-yl)carbonyl)thieno[2,3-b]pyridin-6(7H)-one with 2-amino-6-picoline. All the invention compds. were evaluated for their p38 MAP kinase inhibitory activity. From the assay, it was determined that II exhibited the IC50 values of 15 - 30 nm against p38α MAP kinase inhibitor.

IT 1030833-61-4P 1030833-63-6P 1030833-64-7P  
 1030833-66-9P 1030833-68-1P 1030833-70-5P  
 1030833-72-7P 1030833-74-9P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (drug candidate; preparation of aminothienopyridinone derivs. as p38 MAP kinase inhibitors useful in the treatment of diseases)

RN 1030833-61-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[[2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]- (CA INDEX NAME)

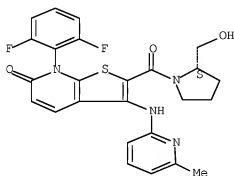
Absolute stereochemistry.



RN 1030833-63-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[[ (2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]-  
(CA INDEX NAME)

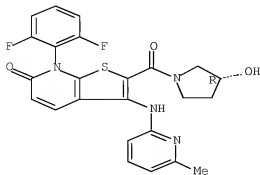
Absolute stereochemistry.



RN 1030833-64-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[[ (3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]- (CA INDEX NAME)

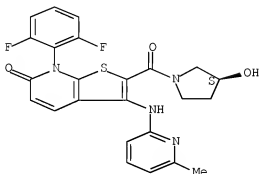
Absolute stereochemistry.



RN 1030833-66-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-2-[[ (3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-3-[(6-methyl-2-pyridinyl)amino]- (CA INDEX NAME)

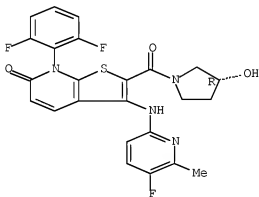
Absolute stereochemistry.



RN 1030833-68-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[[ (3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

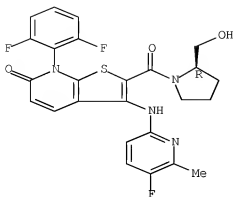
Absolute stereochemistry.



RN 1030833-70-5 CAPLUS

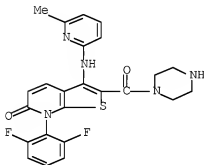
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 1030833-72-7 CAPLUS

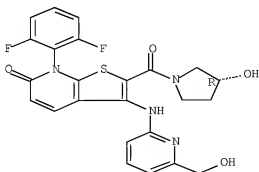
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(6-methyl-2-pyridinyl)amino]-2-(1-piperazinylcarbonyl)- (CA INDEX NAME)



RN 1030833-74-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[[6-(hydroxymethyl)-2-pyridinyl]amino]-2-[(1R)-3-hydroxy-1-pyrrolidinyl]carbonyl)- (CA INDEX NAME)

Absolute stereochemistry.



IT 1030833-75-0P 1030833-76-1P 1030833-77-2P  
1030833-78-3P 1030833-80-7P 1030833-82-9P

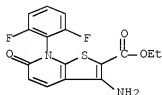
1030833-64-1P 1030833-87-4P 1030633-89-6P  
 1030833-91-0P 1030833-93-2P 1030833-94-3P  
 1030833-95-4P 1030833-96-5P 1030833-97-6P  
 1030833-98-7P 1030834-00-4P 1030834-01-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation of aminothienopyridinone derivs. as p38 MAP kinase inhibitors useful in the treatment of diseases)

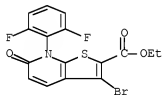
RN 1030833-75-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-amino-7-(2,6-difluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



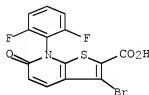
RN 1030833-76-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(2,6-difluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



RN 1030833-77-2 CAPLUS

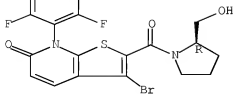
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(2,6-difluorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 1030833-78-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2,6-difluorophenyl)-2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

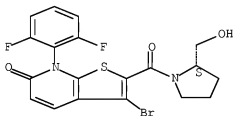
Absolute stereochemistry.



RN 1030833-80-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2,6-difluorophenyl)-2-[[ (2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

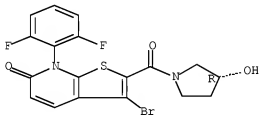
Absolute stereochemistry.



RN 1030833-82-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2,6-difluorophenyl)-2-[[ (3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

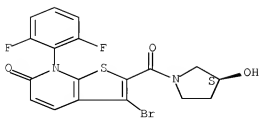


RN 1030833-84-1 CAPLUS

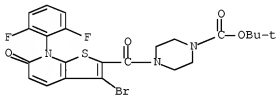
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2,6-difluorophenyl)-2-[[ (3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



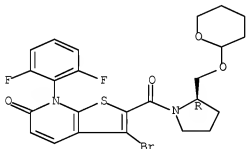


RN 1030833-87-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



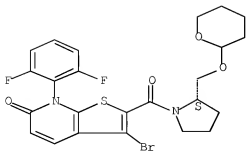
RN 1030833-89-6 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2,6-difluorophenyl)-2-[[[(2R)-2-  
[[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA  
INDEX NAME)

Absolute stereochemistry.



RN 1030833-91-0 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2,6-difluorophenyl)-2-[[[(2S)-2-  
[[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA  
INDEX NAME)

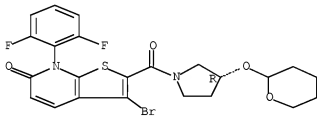
Absolute stereochemistry.



RN 1030833-93-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2,6-difluorophenyl)-2-([(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl)- (CA INDEX NAME)

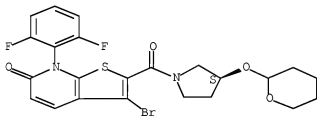
Absolute stereochemistry.



RN 1030833-94-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2,6-difluorophenyl)-2-([(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl)- (CA INDEX NAME)

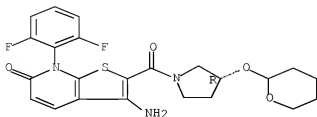
Absolute stereochemistry.



RN 1030833-95-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-(2,6-difluorophenyl)-2-([(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl)- (CA INDEX NAME)

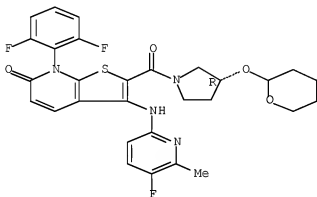
Absolute stereochemistry.



RN 1030833-96-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[[ (3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

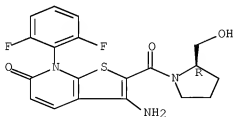
Absolute stereochemistry.



RN 1030833-97-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-(2,6-difluorophenyl)-2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

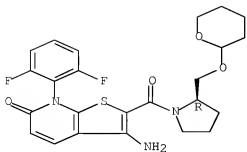
Absolute stereochemistry.



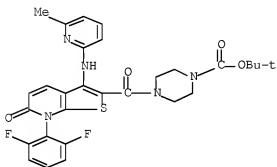
RN 1030833-98-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-(2,6-difluorophenyl)-2-[[ (2R)-2-[(tetrahydro-2H-pyran-2-yl)oxymethyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

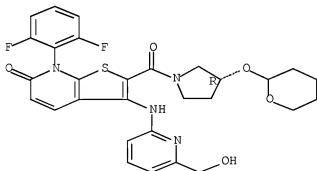


RN 1030834-00-4 CAPLUS  
CN INDEX NAME NOT YET ASSIGNED



RN 1030834-01-5 CAPLUS  
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[[6-(hydroxymethyl)-2-pyridinyl]amino]-2-[[[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

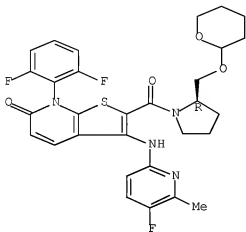
Absolute stereochemistry.



IT 1030833-99-8P  
RL: PRPH (Prophetic); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(prophetic intermediate; preparation of aminothienopyridinone derivs. as p38 MAP kinase inhibitors useful in the treatment of diseases)  
RN 1030833-99-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2,6-difluorophenyl)-3-[(5-fluoro-6-methyl-2-pyridinyl)amino]-2-[[ (2R)-2-[[ (tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



L16 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2008:213305 CAPLUS Full-text

DOCUMENT NUMBER: 148:345782

TITLE: Quinolone 3-carboxylic acid pharmacophore: design of second generation HIV-1 integrase inhibitors  
AUTHOR(S): Dayam, Raveendra; Al-Mawsawi, Laith Q.; Zawahir, Zahrah; Witvrouw, Myriam; Debyser, Zeger; Neamati, Nouri

CORPORATE SOURCE: Department of Pharmacology and Pharmaceutical Sciences, School of Pharmacy, University of Southern California, Los Angeles, CA, 90089, USA  
SOURCE: Journal of Medicinal Chemistry (2008), 51(5), 1136-1144

CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Two decades of intensive research efforts have led to the discovery of a large number of HIV-1 integrase (IN) inhibitors. Recently, the United States Food and Drug Administration (US FDA) approved MK-0518, or raltegravir (1), as the first IN inhibitor for HIV/AIDS treatment. Growing clin. evidence also demonstrates that the emergence of HIV-1 virus strains bearing IN amino acid substitutions that confer resistance to IN inhibitors is inevitable. The discovery of second generation inhibitors with potency against viral strains bearing drug resistant IN substitutions is necessary for ongoing effective treatment of viral infections. We generated common feature pharmacophore hypotheses using a training set of quinolone 3-carboxylic acid IN inhibitors, including the clin. candidate GS-9137 (2). A database search of small mols. using the quinolone 3-carboxylic acid pharmacophore model, followed by in vitro evaluation of selected hits in an assay specific to IN, resulted in the discovery of potential leads with diverse structural scaffolds useful for the design of second generation IN inhibitors.

IT 487030-80-8 503429-39-3

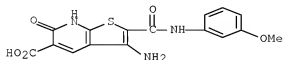
RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic

use); BIOL (Biological study); USES (Uses)

(quinolone carboxylic acids as HIV-1 integrase inhibitors)

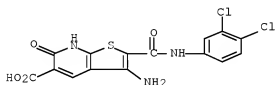
RN 487030-80-8 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-[[3-methoxyphenyl]amino]carbonyl]-6-oxo- (CA INDEX NAME)



RN 503429-39-8 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-[[3,4-dichlorophenyl]amino]carbonyl]-6,7-dihydro-6-oxo- (CA INDEX NAME)



REFERENCE COUNT: 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 3 OF 23 CAPLUS COPYRIGHT 2008 ACS ON STN

ACCESSION NUMBER: 2007:705877 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 147:95652

TITLE: Preparation of thienopyridones as mGluR1 and mGluR5 metabotropic glutamate receptor antagonists.

INVENTOR(S): Nogradi, Katalin; Wagner, Gabor; Keszler, Gyoergy; Bielak, Attila; Gati, Tamas; Hada, Viktor; Koti, Janos; Gal, Krisztina; Vastag, Monika; Bobok, Amrita Agnes

PATENT ASSIGNEE(S): Richter Gedeon Vegyeszeti Gyar Rt., Hung.

SOURCE: PCT Int. Appl., 41pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	---	-----	-----	-----
WO 2007072094	A1	20070628	WO 2006-HU122	20061219
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,			

IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
KG, KZ, MD, RU, TJ, TM

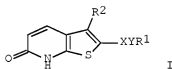
HU 2006000919 A2 20070928 HU 2006-919 20061218  
HU 2006000919 A3 20071128

PRIORITY APPLN. INFO.:

HU 2005-1166 A 20051220  
HU 2006-919 A 20061218

OTHER SOURCE(S): MARPAT 147:95652

GI



AB Title compds. [I; X = CO, SO, SO<sub>2</sub>; Y = O, OCH<sub>2</sub>, (CH<sub>2</sub>)<sub>n</sub>, NH, NHCH<sub>2</sub>; n = 0-2; R<sub>1</sub> = (substituted) alkyl, cycloalkyl, Ph, biphenyl, heterocyclyl; R<sub>2</sub> = (substituted) Ph, heterocyclyl, NR<sub>3</sub>R<sub>4</sub>; R<sub>3</sub>, R<sub>4</sub> = H, alkyl; R<sub>3</sub>R<sub>4</sub>N = (substituted) C<sub>5</sub>-7 heterocyclyl group containing ≥1 N, O, S], were prepared Thus, 2-(4-chlorobenzenesulfonyl)-3-(4-chlorophenyl)thieno[2,3- b]pyridine was stirred with m-chloroperoxybenzoic acid in CHCl<sub>3</sub> to give 78% N-oxide, which was stirred with trifluoroacetic anhydride in DMF for 7 h to give 61% 2-(4-chlorobenzenesulfonyl)-3-(4-chlorophenyl)-7H-thieno[2,3- b]pyridin-6-one. The latter showed mGluR5 receptor affinity with K<sub>i</sub> <500 nM.

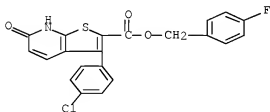
IT 942424-61-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(claimed compound; preparation of thienopyridones as mGluR1 and mGluR5 metabotropic glutamate receptor antagonists)

RN 942424-61-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(4-chlorophenyl)-6,7-dihydro-6-oxo-, (4-fluorophenyl)methyl ester (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 4 OF 23 CAPLUS COPYRIGHT 2008 ACS ON STN  
ACCESSION NUMBER: 2007:652184 CAPLUS Full-text  
DOCUMENT NUMBER: 147:252798

TITLE: Structure-activity relationship, kinetic mechanism, and selectivity for a new class of ubiquitin C-terminal hydrolase-L1 (UCH-L1) inhibitors

AUTHOR(S): Mermerian, Ara H.; Case, April; Stein, Ross L.; Cuny, Gregory D.

CORPORATE SOURCE: Laboratory for Drug Discovery in Neurodegeneration, Harvard Center for Neurodegeneration and Repair, Brigham & Women's Hospital and Harvard Medical School, Cambridge, MA, 02139, USA

SOURCE: Bioorganic & Medicinal Chemistry Letters (2007), 17(13), 3729-3732  
CODEN: BMCLE8; ISSN: 0960-894X

PUBLISHER: Elsevier Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

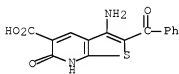
OTHER SOURCE(S): CASREACT 147:252798

AB 3-Amino-2-keto-7H-thieno[2,3-b]pyridin-6-one derivs. were discovered as moderately potent inhibitors of ubiquitin C-terminal hydrolase-L1 (UCH-L1) utilizing an assay that measures hydrolysis of the fluorogenic substrate Ub-AMC. SAR studies revealed that both the carboxylate at the 5-position and the 6-pyridone ring were critical for inhibitory activity. Furthermore, activity was dependent on the nature of the ketone substituent at the 2-position, with 4-Me-Ph and 2-naphthyl being best. Kinetic mechanism studies revealed that these compds. were uncompetitive inhibitors of UCH-L1, binding only to the Michaelis-complex and not to free enzyme. The active compds. were selective for UCH-L1, exhibiting neither inhibition of other cysteine hydrolases (e.g., UCH-L3, papain, isopeptidase T, caspase-3, and tissue transglutaminase) nor cytotoxicity in N2A cells.

IT 439946-22-2  
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)  
(kinetic parameters of inhibition of ubiquitin C-terminal hydrolase-L1)

RN 439946-22-2 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-benzoyl-6,7-dihydro-6-oxo- (CA INDEX NAME)

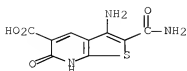


IT 369393-07-7P 438622-92-5P 687569-82-0P  
945715-65-1P 945715-69-5P 945715-70-8P  
945715-71-9P 945715-72-0P 945715-73-1P  
945715-74-2P 945715-75-3P 945715-76-4P  
945715-77-5P 945715-78-6P 945715-79-7P  
945715-80-8P 945715-81-1P 945715-82-2P  
945715-83-3P  
RL: BSU (Biological study, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(kinetic parameters of inhibition of ubiquitin C-terminal hydrolase-L1)

RN 369393-07-7 CAPLUS

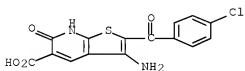
CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-(aminocarbonyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)





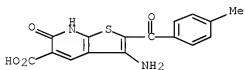
RN 438622-92-5 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-(4-chlorobenzoyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



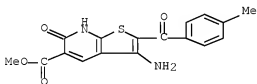
RN 687569-82-0 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-(4-methylbenzoyl)-6-oxo- (CA INDEX NAME)



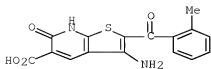
RN 945715-65-1 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-(4-methylbenzoyl)-6-oxo-, methyl ester (CA INDEX NAME)



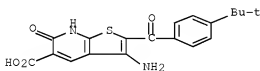
RN 945715-69-5 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-(2-methylbenzoyl)-6-oxo- (CA INDEX NAME)



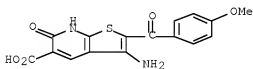
RN 945715-70-8 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-[4-(1,1-dimethylethyl)benzoyl]-6,7-dihydro-6-oxo- (CA INDEX NAME)



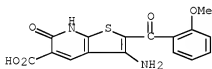
RN 945715-71-9 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-(4-methoxybenzoyl)-6-oxo- (CA INDEX NAME)



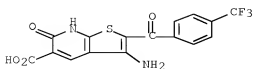
RN 945715-72-0 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-(2-methoxybenzoyl)-6-oxo- (CA INDEX NAME)



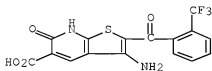
RN 945715-73-1 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-2-[4-(trifluoromethyl)benzoyl]- (CA INDEX NAME)



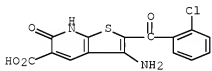
RN 945715-74-2 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-2-(2-(trifluoromethyl)benzoyl)- (CA INDEX NAME)



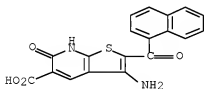
RN 945715-75-3 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-(2-chlorobenzoyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



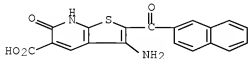
RN 945715-76-4 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-(1-naphthalenylcarbonyl)-6-oxo- (CA INDEX NAME)



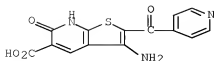
RN 945715-77-5 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-(2-naphthalenylcarbonyl)-6-oxo- (CA INDEX NAME)



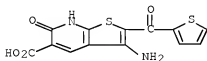
RN 945715-78-6 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-2-(4-pyridinylcarbonyl)- (CA INDEX NAME)



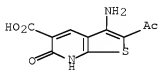
RN 945715-79-7 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-2-(2-thienylcarbonyl)- (CA INDEX NAME)



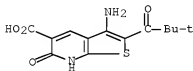
RN 945715-80-0 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 2-acetyl-3-amino-6,7-dihydro-6-oxo- (CA INDEX NAME)



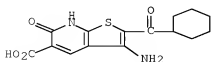
RN 945715-81-1 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-(2,2-dimethyl-1-oxopropyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



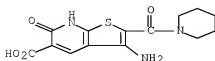
RN 945715-82-2 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-(cyclohexylcarbonyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 945715-83-3 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-2-(1-piperidinylcarbonyl)- (CA INDEX NAME)



REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 5 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:170742 CAPLUS Full-text

DOCUMENT NUMBER: 144:254120

TITLE: Preparation of thiophene and thiazole derivatives as PDE4B inhibitors

INVENTOR(S): Ibrahim, Prabha N.; Cho, Hanna; England, Bruce; Gillette, Sam; Artis, Dean R.; Zuckerman, Rebecca; Zhang, Chao

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 205 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

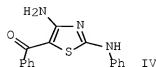
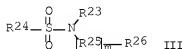
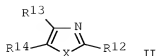
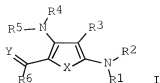
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20060041006	A1	20060223	US 2005-123893	20050506
AU 2005325271	A1	20060727	AU 2005-325271	20050506
CA 2565965	A1	20060727	CA 2005-2565965	20050506
WO 2006078287	A2	20060727	WO 2005-US16118	20050506
WO 2006078287	A9	20060831		
WO 2006078287	A3	20070329		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
EP 1742627	A2	20070117	EP 2005-856703	20050506
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, LV, MK, YU				
CN 101031293	A	20070905	CN 2005-80022054	20050506
JP 2008503446	T	20080207	JP 2007-511693	20050506
PRIORITY APPLN. INFO.:				
			US 2004-569435P	P 20040506
			WO 2005-US16118	W 20050506

OTHER SOURCE(S): MARPAT 144:254120

GI



AB The title compds. I [X = O, S, NR7; R1-R2, R4-R5, R7 = H, acyl, alkyl, etc.; R3 = CN, NO2, alkyl, etc.; Y = O, S; R6 = OH, alkoxy, thioalkoxy, etc.], II [X = S, O, NR15; R12 = H, alkyl, aryl, etc.; R13 = OR16, SR16, (un)substituted amino; R14 = OR16, SR16, alkyl, etc.; R15 = H, alkyl, cycloalkyl, etc.; R16 = alkyl, cycloalkyl, aryl, etc.] and III [R23 = H, alkyl, cycloalkyl, etc.; R24 = alkyl, cycloalkyl, aryl, etc.; R25, if present, is (un)substituted alkylene; R26 = (un)substituted carbocyclic or heterocyclic having 3-14 ring atoms; m = 0-3; with provisions] which are active on phosphodiesterase PDE4B are provided. A multistep synthesis of IV, starting from 2-(4-chlorobenzyl)-2-thiopseudourea hydrochloride and Ph isothiocyanate, was given. The compound I-III were tested against various PDE4 kinases and TNF $\alpha$  (biol. data given). Also provided are compns. comprising compds. I-III which are useful for treatment of PDE4B-mediated diseases or conditions, and methods for the use thereof.

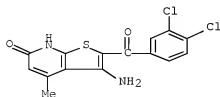
IT 202519-97-9P 369393-07-7P 413583-61-6P  
497078-41-8P 671764-09-3P 877214-84-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of thiophene and thiazole derivs. as PDE4B inhibitors)

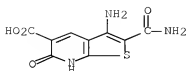
RN 202519-97-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-2-(3,4-dichlorobenzoyl)-4-methyl- (CA INDEX NAME)



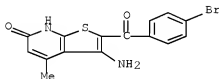
RN 369393-07-7 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-(aminocarbonyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



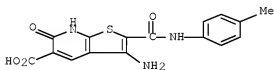
RN 413583-61-6 CAPLUS

CN Thieno[2,3-b]pyridine-6-carboxylic acid, 3-amino-2-(4-aminobenzoyl)-4-methyl- (CA INDEX NAME)



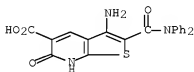
RN 497078-41-8 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-2-[(4-methylphenyl)amino]carbonyl-6-oxo- (CA INDEX NAME)



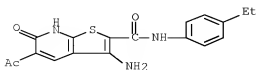
RN 671764-09-3 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-[(diphenylamino)carbonyl]-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 877214-84-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 5-acetyl-3-amino-N-(4-ethylphenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)

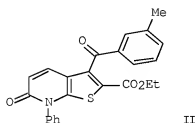
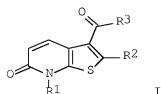


L16 ANSWER 6949651 23 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2005:409526 CAPLUS Full-text  
 DOCUMENT NUMBER: 142:463710  
 TITLE: Preparation of thieno[2,3-b]pyridinone derivatives as  
 kinase, especially p38 MAP kinase, inhibitors useful  
 in the treatment of and/or prevention of immune or  
 inflammatory disorders  
 INVENTOR(S): Alexander, Rikki Peter; Davis, Jeremy Martin;  
 Hutchings, Martin Clive; Laing, Victoria Elizabeth;  
 Trevitt, Graham Peter  
 PATENT ASSIGNEE(S): Celltech R & D Limited, UK  
 SOURCE: PCT Int. Appl., 181 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005042540	A1	20050512	WO 2004-GB4490	20041022
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004285752	A1	20050512	AU 2004-285752	20041022
CA 2540881	A1	20050512	CA 2004-2540881	20041022
EP 1680429	A1	20060719	EP 2004-769004	20041022
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR			
JP 2007509123	T	20070412	JP 2006-536178	20041022
US 20070078131	A1	20070405	US 2006-576731	20060420
PRIORITY APPLN. INFO.:			GB 2003-24902	A 20031024
			GB 2003-29490	A 20031219
			GB 2004-2918	A 20040210
			GB 2004-16934	A 20040729
			WO 2004-GB4490	W 20041022

OTHER SOURCE(S): MARPAT 142:463710  
 GI





- AB Title compds. I [wherein R1 = (un)substituted (C3-7 cycloalkyl)methyl, hetero/aryl; R2 = H, NO2, CN, CO2H and derivs., NH2 and derivs., etc.; R3 = (un)substituted hetero/aryl; and their pharmaceutically acceptable salts] were prepared as p38 MAP kinase inhibitors for treating and/or preventing immune or inflammatory disorders. For example, II was prepared by reacting Et 3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate (preparation given) with 3-methylbenzaldehyde and oxidation with MnO2. I are potent inhibitors of p38 MAP kinase (IC50 around 2  $\mu$ M and below), especially p38 $\alpha$  kinase.
- IT 514182-50-6P, Ethyl 3-bromo-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-57-1P, Ethyl 3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639481-50-8P, Ethyl 3-bromo-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 660398-63-0P, Ethyl 3-[hydroxy(phenyl)methyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 660398-64-1P, Ethyl 3-[(hydroxy)(6-methylpyridin-2-yl)methyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 660398-65-2P, Ethyl 3-[(hydroxy)(3-methylphenyl)methyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 660398-68-5P, Ethyl 7-(cyclopropylmethyl)-3-[(hydroxy)(phenyl)methyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 660398-72-1P, Ethyl 3-[(3-chlorophenyl)(hydroxy)methyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-64-3E, Ethyl 3-bromo-7-(4-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 851747-26-7P, Ethyl 3-[(4-fluoro-3-methylphenyl)(hydroxy)methyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 851747-33-6P, Ethyl 3-[(6-methylpyridin-2-yl)carbonyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 851747-34-7P, 3-[(6-Methylpyridin-2-yl)carbonyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 851747-40-5P, Ethyl 3-[(hydroxy)(3-trifluoromethylphenyl)methyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 851747-41-6P, Ethyl 6-oxo-7-phenyl-3-[3-(trifluoromethyl)benzoyl]-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 851747-42-7P, 6-Oxo-7-phenyl-3-[3-(trifluoromethyl)benzoyl]-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 851747-91-6P, Ethyl 3-bromo-6-oxo-7-(pyridin-3-yl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 851747-93-8P, Ethyl 3-[(hydroxy)(phenyl)methyl]-6-oxo-7-(pyridin-3-yl)-6,7-dihydrothieno[2,3-

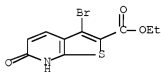
b]pyridine-2-carboxylate 851747-95-0P, Ethyl  
 3-benzoyl-6-oxo-7-(pyridin-3-yl)-6,7-dihydrothieno[2,3-b]pyridine-2-  
 carboxylate 851748-00-0P, Ethyl 3-[(hydroxy(phenyl)methyl)-7-(4-  
 methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate  
 951748-02-2P, Ethyl 3-benzoyl-7-(4-methylphenyl)-6-oxo-6,7-  
 dihydrothieno[2,3-b]pyridine-2-carboxylate 851748-04-4P,  
 3-Benzoyl-7-(4-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-  
 carboxylic acid

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)

(intermediate; preparation of thienopyridinones as p38 MAP kinase inhibitors  
 useful in the treatment of and/or prevention of immune or inflammatory  
 disorders)

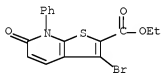
RN 514182-52-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-, ethyl  
 ester (CA INDEX NAME)



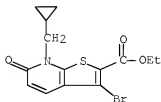
RN 514182-57-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-  
 phenyl-, ethyl ester (CA INDEX NAME)



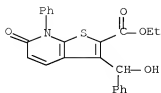
RN 639481-50-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(cyclopropylmethyl)-6,7-  
 dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



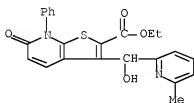
RN 660398-63-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-  
 (hydroxyphenylmethyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



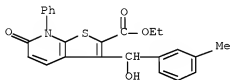
RN 660398-64-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[hydroxy(6-methyl-2-pyridinyl)methyl]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



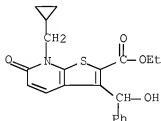
RN 660398-65-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[hydroxy(3-methylphenyl)methyl]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



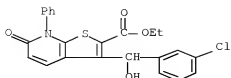
RN 660398-68-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-6,7-dihydro-3-(3-hydroxyphenylmethyl)-6-oxo-, ethyl ester (CA INDEX NAME)



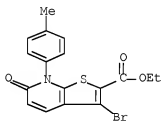
RN 660398-72-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chlorophenyl)hydroxymethyl]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



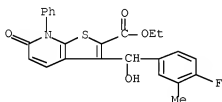
RN 816424-64-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-(4-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



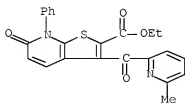
RN 851747-26-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)hydroxymethyl]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



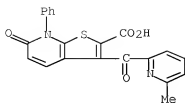
RN 851747-33-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(6-methyl-2-pyridinyl)carbonyl]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



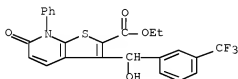
RN 851747-34-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(6-methyl-2-pyridinyl)carbonyl]-6-oxo-7-phenyl- (CA INDEX NAME)



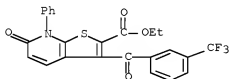
RN 851747-40-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[hydroxy[3-(trifluoromethyl)phenyl]methyl]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



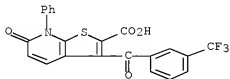
RN 851747-41-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[3-(trifluoromethyl)benzoyl]-, ethyl ester (CA INDEX NAME)



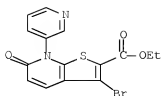
RN 851747-42-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[3-(trifluoromethyl)benzoyl]- (CA INDEX NAME)



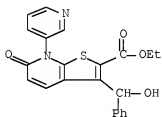
RN 851747-91-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-(3-pyridinyl)-, ethyl ester (CA INDEX NAME)



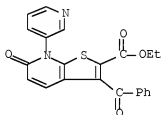
RN 851747-93-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(hydroxyphenylmethyl)-6-oxo-7-(3-pyridinyl)-, ethyl ester (CA INDEX NAME)



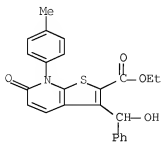
RN 851747-95-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-benzoyl-6,7-dihydro-6-oxo-7-(3-pyridinyl)-, ethyl ester (CA INDEX NAME)

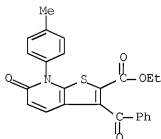


RN 851748-00-0 CAPLUS

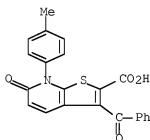
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(hydroxyphenylmethyl)-7-(4-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



RN 851748-02-2 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-benzoyl-6,7-dihydro-7-(4-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)

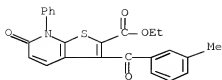


RN 851748-04-4 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-benzoyl-6,7-dihydro-7-(4-methylphenyl)-6-oxo- (CA INDEX NAME)



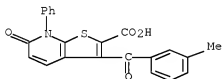
IT 851750-29-3P, Ethyl 3-(3-methylbenzoyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 851750-31-7P, 3-(3-Methylbenzoyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 851750-47-5P, Ethyl 3-benzoyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 851750-49-7P, 3-Benzoyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 851751-02-5P, Ethyl 3-benzoyl-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 851751-12-7P, Ethyl 3-(3-chlorobenzoyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 851751-22-9P, Ethyl 3-(4-fluoro-3-methylbenzoyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate  
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (p38 $\alpha$  kinase inhibitor; preparation of thienopyridinones as p38 MAP kinase inhibitors useful in the treatment of and/or prevention of immune or inflammatory disorders)

RN 851750-29-3 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(3-methylbenzoyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



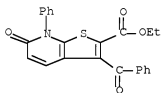
RN 851750-31-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(3-methylbenzoyl)-6-oxo-7-phenyl- (CA INDEX NAME)



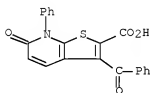
RN 851750-47-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-benzoyl-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 851750-49-7 CAPLUS

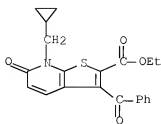
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-benzoyl-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 851751-02-5 CAPLUS

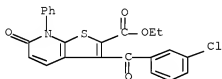
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-benzoyl-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)





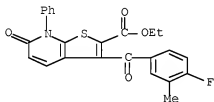
RN 851751-12-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(3-chlorobenzoyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 851751-22-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(4-fluoro-3-methylbenzoyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



IT 851750-39-5P, 3-(3-Methylbenzoyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 851750-41-9P, 2-(Azetidin-1-ylcarbonyl)-3-(3-methylbenzoyl)-7-phenylthieno[2,3-b]pyridin-6(7H)-one 851750-85-1E, 3-Benzoyl-N-methyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 851750-87-3P, 2-(Azetidin-1-ylcarbonyl)-3-benzoyl-7-phenylthieno[2,3-b]pyridin-6(7H)-one 851750-89-5P, 3-Benzoyl-N-(1,1-dimethyl-2-hydroxyethyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 851750-91-9P, 3-Benzoyl-N,N-dimethyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 851750-93-1E, 3-Benzoyl-2-[[ (2S)-2-(hydroxymethyl)pyrrolidin-1-yl]carbonyl]-7-phenylthieno[2,3-b]pyridin-6(7H)-one 851750-94-2P, 3-Benzoyl-2-(morpholin-4-ylcarbonyl)-7-phenylthieno[2,3-b]pyridin-6(7H)-one 851750-96-4P, 3-Benzoyl-7-phenyl-2-(pyrrolidin-1-ylcarbonyl)thieno[2,3-b]pyridin-6(7H)-one 851751-00-3P, 3-Benzoyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 851751-10-5P, 3-(3-Chlorobenzoyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 851751-18-3P, 3-(2,4-Difluorobenzoyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 851751-20-7P, 3-(4-Fluoro-3-methylbenzoyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-

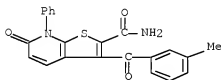
b]pyridine-2-carboxamide 851751-28-5P, 3-(3-Chloro-4-fluorobenzoyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(p38 $\alpha$  kinase inhibitor; preparation of thienopyridinones as p38 MAP kinase inhibitors useful in the treatment of and/or prevention of immune or inflammatory disorders)

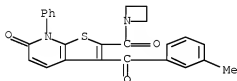
RN 851750-39-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-(3-methylbenzoyl)-6-oxo-7-phenyl- (CA INDEX NAME)



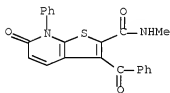
RN 851750-41-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-(1-azetidiny carbonyl)-3-(3-methylbenzoyl)-7-phenyl- (CA INDEX NAME)



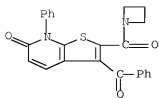
RN 851750-85-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-benzoyl-6,7-dihydro-N-methyl-6-oxo-7-phenyl- (CA INDEX NAME)



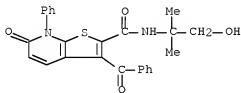
RN 851750-87-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-(1-azetidiny carbonyl)-3-benzoyl-7-phenyl- (CA INDEX NAME)



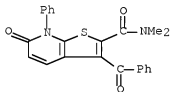
RN 851750-89-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-benzoyl-6,7-dihydro-N-(2-hydroxy-1,1-dimethylethyl)-6-oxo-7-phenyl- (CA INDEX NAME)



RN 851750-91-9 CAPLUS

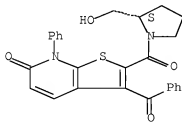
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-benzoyl-6,7-dihydro-N,N-dimethyl-6-oxo-7-phenyl- (CA INDEX NAME)



RN 851750-93-1 CAPLUS

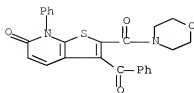
CN Thieno[2,3-b]pyridine-6(7H)-one, 3-benzoyl-2-[[ (2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



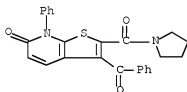
RN 851750-94-2 CAPLUS

CN Thieno[2,3-b]pyridine-6(7H)-one, 3-benzoyl-2-(4-morpholinylcarbonyl)-7-phenyl- (CA INDEX NAME)



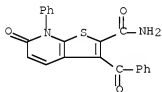
RN 851750-96-4 CAPLUS

CN Thieno[2,3-b]pyridine-6(7H)-one, 3-benzoyl-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



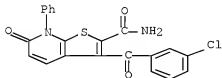
RN 851751-00-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-benzoyl-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



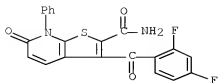
RN 851751-10-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-(3-chlorobenzoyl)-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



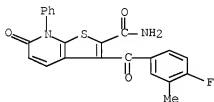
RN 851751-18-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-(2,4-difluorobenzoyl)-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



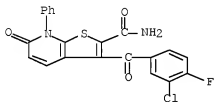
RN 851751-20-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-(4-fluoro-3-methylbenzoyl)-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 851751-28-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-(3-chloro-4-fluorobenzoyl)-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 7 OF 23 CAPLUS COPYRIGHT 2008 ACS ON STN

ACCESSION NUMBER: 2004:1154722 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 142:93797

TITLE: Process for preparing 3-aminothienopyridone derivatives and their applications to the synthesis of p38 MAP kinase inhibitors

INVENTOR(S): Evans, Graham Robert; Smith, Ian Harold; Tremayne, Neil; Jones, Leighton; Langston, Marianne

PATENT ASSIGNEE(S): Celltech R & D Limited, UK

SOURCE: PCT Int. Appl., 56 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

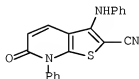
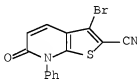
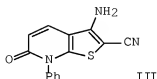
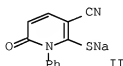
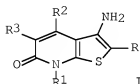
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

WO 2004113349	A1	20041229	WO 2004-GB2680	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004249507	A1	20041229	AU 2004-249507	20040618
CA 2528927	A1	20041229	CA 2004-2528927	20040618
EP 1638980	A1	20060329	EP 2004-743031	20040618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
JP 2007516163	T	20070621	JP 2006-516465	20040618
US 20070191608	A1	20070816	US 2006-561051	20060608
PRIORITY APPLN. INFO.:			GB 2003-14493	A 20030620
			GB 2003-29471	A 20031219
			WO 2004-GB2680	W 20040618

OTHER SOURCE(S): MARPAT 142:93797  
GI



AB This invention provides a class of 3-amino-7H-thieno[2,3-b]pyridin-6-one derivs. I [wherein R = cyano, NO<sub>2</sub>, CO<sub>2</sub>Alk<sub>2</sub>, C(O)alkyl, CONNHet<sub>2</sub>; Alk<sub>2</sub> = (un)substituted alkyl or aryl; Het<sub>2</sub> = (un)substituted 4/5/6-membered heterocycloalkyl; R<sub>1</sub> = (un)substituted (hetero)aryl or (hetero)cycloalkyl; R<sub>2</sub>, R<sub>3</sub> = H or a hydrogen atom precursor, or salts, solvates, hydrates, protected derivs. and N-oxides thereof], a process for their prepn., and the use thereof as intermediates in the manufacture of certain p38 MAP kinase inhibitors. For example, 2-cyano-N-phenylthioacetamide was treated with N,N-dimethyluracil to give crude thiolate II containing about 20% ethanol, which was directly refluxed with chloroacetonitrile in acetonitrile for 2 h to afford amine III. This compound underwent diazotization and subsequent halide displacement with tert-butyl nitrite and CuBr<sub>2</sub>, leading to bromide IV. Pd-catalyzed N-alkylation of III with bromobenzene or amination of IV with aniline yielded V. Conversion of this product to the corresponding

carboxamide was realized by the hydrolysis of the cyano group in the presence of NaOH-H<sub>2</sub>O-Ethanol system.

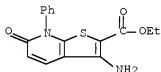
IT 639481-34-8P, 3-Amino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid ethyl ester 817177-51-8P, 3-Amino-7-phenyl-2-[(pyrrolidin-1-yl)carbonyl]-7H-thieno[2,3-b]pyridin-6-one 817177-53-8P 817177-54-1P 817177-55-2P, (S)-3-Amino-2-[(2-hydroxymethylpyrrolidin-1-yl)carbonyl]-7-phenyl-7H-thieno[2,3-b]pyridin-6-one 817177-58-5P, 3-Amino-2-(4-ethylpiperazin-1-ylcarbonyl)-7-phenyl-7H-thieno[2,3-b]pyridin-6-one 817177-59-6P, 3-Bromo-2-(4-ethylpiperazin-1-ylcarbonyl)-7-phenyl-7H-thieno[2,3-b]pyridin-6-one

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(process for preparing 3-aminothienopyridone derivs. and their applications to the synthesis of p38 MAP kinase inhibitors)

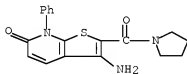
RN 639481-34-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 817177-51-8 CAPLUS

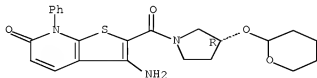
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-phenyl-2-[(1-pyrrolidinyl)carbonyl]- (CA INDEX NAME)



RN 817177-53-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-7-phenyl-2-[[ (3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl)carbonyl]- (CA INDEX NAME)

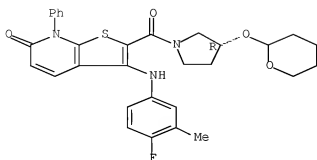
Absolute stereochemistry.



RN 817177-54-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl-2-[[ (3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl)carbonyl]- (CA INDEX NAME)

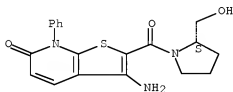
Absolute stereochemistry.



RN 817177-55-2 CAPLUS

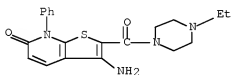
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-2-[(2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



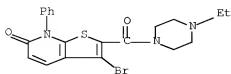
RN 817177-58-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-2-[(4-ethyl-1-piperazinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



RN 817177-59-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-2-[(4-ethyl-1-piperazinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



IT 514182-57-1P, 3-Bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-

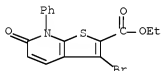


b]pyridine-2-carboxylic acid ethyl ester 639479-29-1P,  
 6-Oxo-7-phenyl-3-phenylamino-6,7-dihydrothieno[2,3-b]pyridine-2-  
 carboxamide 639479-37-1P, 7-(2-Chlorophenyl)-3-[(4-fluoro-3-  
 methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide  
 639479-46-2P, 7-Cyclopropyl-3-[(3-methylphenyl)amino]-6-oxo-6,7-  
 dihydrothieno[2,3-b]pyridine-2-carboxamide 639480-35-6P,  
 6-Oxo-7-phenyl-3-(m-tolylamino)-6,7-dihydrothieno[2,3-b]pyridine-2-  
 carboxamide 639481-18-8P, 7-Phenyl-3-phenylamino-2-[(pyrrolidin-  
 1-yl)carbonyl]-7H-thieno[2,3-b]pyridin-6-one 639481-20-2P,  
 2-[(4-Ethylpiperazin-1-yl)carbonyl]-7-phenyl-3-phenylamino-7H-thieno[2,3-  
 b]pyridin-6-one 816424-17-6P, (S)-3-(4-Fluoro-3-  
 methylphenylamino)-2-[(2-hydroxymethylpyrrolidin-1-yl)carbonyl]-7-phenyl-  
 7H-thieno[2,3-b]pyridin-6-one 816424-21-2P, (R)-3-(4-Fluoro-3-  
 methylphenylamino)-2-[(3-hydroxypyrrolidin-1-yl)carbonyl]-7-phenyl-7H-  
 thieno[2,3-b]pyridin-6-one  
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP  
 (Preparation)

(process for preparing 3-aminothienopyridone derivs. and their  
 applications to the synthesis of p38 MAP kinase inhibitors)

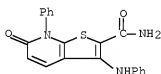
RN 514182-57-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-  
 phenyl-, ethyl ester (CA INDEX NAME)



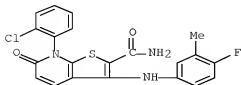
RN 639479-29-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-  
 (phenylamino)- (CA INDEX NAME)



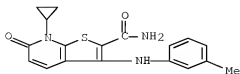
RN 639479-37-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(2-chlorophenyl)-3-[(4-fluoro-3-  
 methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



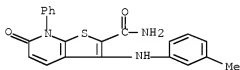
RN 639479-46-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-cyclopropyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



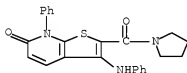
RN 639480-85-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



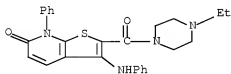
RN 639481-18-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



RN 639481-20-2 CAPLUS

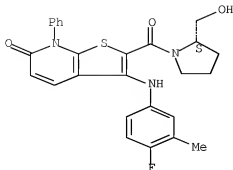
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-ethyl-1-piperazinyl)carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



RN 816424-17-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[[ (2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

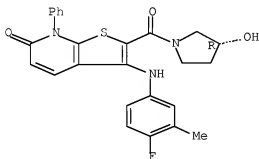
Absolute stereochemistry.



RN 816424-21-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[[ (3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 8 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:1154721 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 142:93796

TITLE: Preparation of thienopyridone derivatives as p38 MAPK inhibitors

INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin; Langham, Barry John

PATENT ASSIGNEE(S): Celltech R & D Limited, UK

SOURCE: PCT Int. Appl., 90 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113348	A1	20041229	WO 2004-GB2644	20040618
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,				

NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,  
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,  
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,  
 SN, TD, TG

AU 2004249498	A1	20041229	AU 2004-249498	20040618
CA 2528603	A1	20041229	CA 2004-2528603	20040618
EP 1638979	A1	20060329	EP 2004-742997	20040618

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK

JP 2007516162	T	20070621	JP 2006-516453	20040618
US 20060247269	A1	20061102	US 2006-561050	20060629

PRIORITY APPLN. INFO.: GB 2003-14490 A 20030620  
 US 2003-29495 A 20031219  
 WO 2004-GB2644 W 20040618

OTHER SOURCE(S): MARPAT 142:93796  
 GI

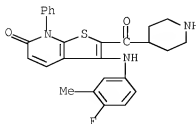
\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Title compds. I [ wherein X = covalent bond, NH or N(alkyl); Y = C(O) or S(O)2; A = (CH2)q; B = (CH2)m; n = 0 or 1; m = 1-3; p = 0-4; q = 0-2; R = (un)substituted OH, alkoxy or amino; L = O, S, S(O), S(O)2 or CH2, CHR or CR2, NH or N(alkyl); ALK1 = alkylene; Cyl = (un)substituted (hetero)cycle or (hetero)aryl; Ar = (un)substituted (hetero)aryl; or salts, solvates, hydrates and N-oxides thereof] were prepared as p38 MAPK inhibitors. For example, II was synthesized in several steps from Et 3-bromo-6-oxo-7- phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate (preparation given), via amination with 2,4-difluoroaniline, ester hydrolysis, carboxy group activation with pentafluorophenol and coupling with cis-2- aminocyclopentanol hydrochloride. Example compds. had IC50 values of around 1 µM and below for human p38α kinase. Therefore, I and pharmaceutical compns. thereof are useful for the treatment and/or prevention of immune or inflammatory disorders.

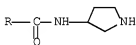
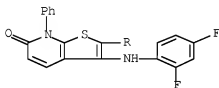
IT 816464-58-1P, 3-[(4-Fluoro-3-methylphenyl)amino]-7-phenyl-2-[(piperidin-4-yl)carbonyl]thieno[2,3-b]pyridin-6(7H)-one  
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (inhibitor; preparation of thienopyridone derivs. as p38 MAPK inhibitors)

RN 816464-58-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl-2-(4-piperidiny carbonyl)- (CA INDEX NAME)

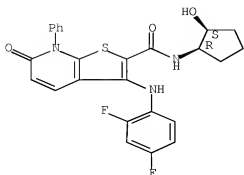


IT 639481-27-9P 816464-52-5P 816464-53-6P  
 816464-54-7P, 3-[(2,4-Difluorophenyl)amino]-N-((1S,2S)-2-hydroxycyclopentyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-55-8P, 3-[(2,4-Difluorophenyl)amino]-N-((1R,2R)-2-hydroxycyclopentyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-56-9P 816464-57-0P,  
 3-Anilino-7-phenyl-2-(piperidin-4-ylcarbonyl)thieno[2,3-b]pyridin-6(7H)-one 816464-59-2P, N-(Azetidin-3-yl)-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-60-5P 816464-61-6P  
 816464-62-7P 816464-63-8P, 3-[(2,4-Difluorophenyl)amino]-6-oxo-7-phenyl-N-(piperidin-4-yl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-64-9P, 3-[(2,4-Difluorophenyl)amino]-N-(1-methylpiperidin-4-yl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 816464-65-0P, 3-[(2,4-Difluorophenyl)amino]-7-phenyl-2-[(piperidin-4-yl)carbonyl]thieno[2,3-b]pyridin-6(7H)-one 816464-66-1P, 3-[(6-Methylpyridin-2-yl)amino]-7-phenyl-2-[(piperidin-4-yl)carbonyl]thieno[2,3-b]pyridin-6(7H)-one 816464-67-2P, 3-[(4-Fluoro-3-methylphenyl)amino]-2-[(1-methylpiperidin-4-yl)carbonyl]-7-phenylthieno[2,3-b]pyridin-6(7H)-one  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (inhibitor; preparation of thienopyridone derivs. as p38 MAPK inhibitors)  
 RN 639481-27-9 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-3-pyrrolidinyl- (CA INDEX NAME)



RN 816464-52-5 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1R,2S)-2-hydroxycyclopentyl]-6-oxo-7-phenyl-, rel- (CA INDEX NAME)

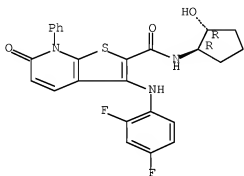
Relative stereochemistry.



RN 816464-53-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1R,2R)-2-hydroxycyclopentyl]-6-oxo-7-phenyl-, rel- (CA INDEX NAME)

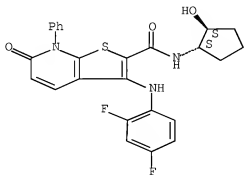
Relative stereochemistry.



RN 816464-54-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1S,2S)-2-hydroxycyclopentyl]-6-oxo-7-phenyl- (CA INDEX NAME)

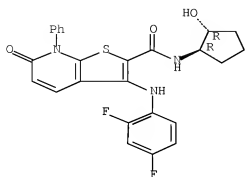
Absolute stereochemistry.



RN 816464-55-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(1R,2R)-2-hydroxycyclopentyl]-6-oxo-7-phenyl- (CA INDEX NAME)

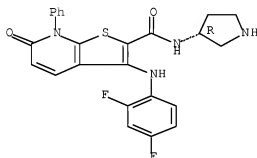
Absolute stereochemistry.



RN 816464-56-9 CAPLUS

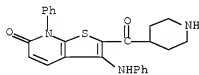
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-(3R)-3-pyrrolidiny- (CA INDEX NAME)

Absolute stereochemistry.



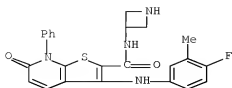
RN 816464-57-0 CAPLUS

CN Thieno[2,3-b]pyridine-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)



RN 816464-59-2 CAPLUS

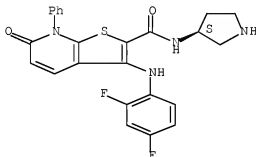
CN Thieno[2,3-b]pyridine-2-carboxamide, N-3-azetidiny-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 816464-60-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-(3S)-3-pyrrolidinyl- (CA INDEX NAME)

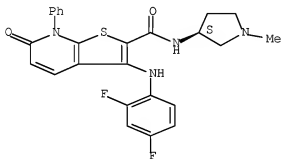
Absolute stereochemistry.



RN 816464-61-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(3S)-1-methyl-3-pyrrolidinyl]-6-oxo-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.

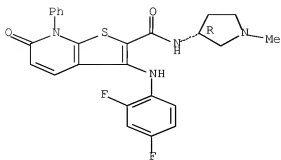


RN 816464-62-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-[(3R)-1-methyl-3-pyrrolidinyl]-6-oxo-7-phenyl- (CA INDEX NAME)

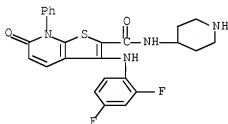
Absolute stereochemistry.





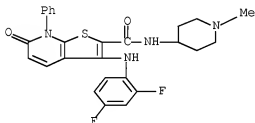
RN 816464-63-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-4-piperidiny- (CA INDEX NAME)



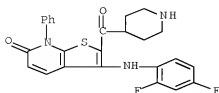
RN 816464-64-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-(1-methyl-4-piperidiny)-6-oxo-7-phenyl- (CA INDEX NAME)



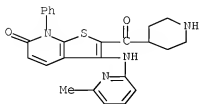
RN 816464-65-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)



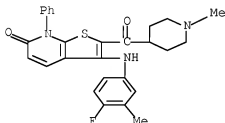
RN 816464-66-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-methyl-2-pyridinyl)amino]-7-phenyl-2-(4-piperidinylcarbonyl)- (CA INDEX NAME)



RN 816464-67-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(1-methyl-4-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)

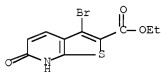


IT 514182-52-6P, Ethyl 3-bromo-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-57-1P, Ethyl 3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-24-6P, Ethyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639482-02-3P, Pentafluorophenyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639482-11-4P, Pentafluorophenyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639482-17-0P, Benzyl 3-[[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]amino]pyrrolidine-1-carboxylate 639504-79-3P, Ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-65-4P, Lithium 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-66-5P, Lithium 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816464-41-2P, Tert-Butyl (3R)-3-[[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]amino]pyrrolidine-1-carboxylate 816464-43-4P, 9H-Fluoren-9-ylmethyl 4-[(3-amino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl)carbonyl]piperidine-1-carboxylate 816464-44-5P, 9H-Fluoren-9-ylmethyl 4-[(3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl)carbonyl]piperidine-1-carboxylate 816464-45-6P, Tert-Butyl (3S)-3-[[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]amino]pyrrolidine-1-carboxylate 816464-46-7P, Tert-Butyl 4-[[[3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-

dihydrothieno[2,3-b]pyridin-2-yl]carbonyl]amino]piperidine-1-carboxylate  
 816464-48-3P, Benzyl 4-[(3-amino-6-oxo-7-phenyl-6,7-  
 dihydrothieno[2,3-b]pyridin-2-yl)carbonyl]piperidine-1-carboxylate  
 816464-49-0P, Benzyl 4-[(3-bromo-6-oxo-7-phenyl-6,7-  
 dihydrothieno[2,3-b]pyridin-2-yl)carbonyl]piperidine-1-carboxylate  
 816464-50-3P, Benzyl 4-[(3-[(2,4-difluorophenyl)amino]-6-oxo-7-  
 phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl)carbonyl]piperidine-1-  
 carboxylate 816464-51-4P, Benzyl 4-[(3-[(6-methylpyridin-2-  
 yl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-  
 yl)carbonyl]piperidine-1-carboxylate  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation of thienopyridone derivs. as p38 MAPK inhibitors)

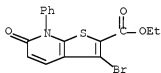
RN 514182-52-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-, ethyl  
 ester (CA INDEX NAME)



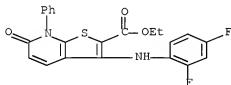
RN 514182-57-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-  
 phenyl-, ethyl ester (CA INDEX NAME)



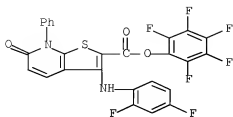
RN 639479-24-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-  
 dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



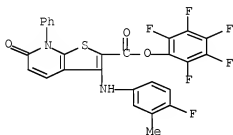
RN 639482-02-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-  
 dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX  
 NAME)



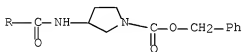
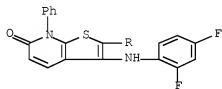
RN 639482-11-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



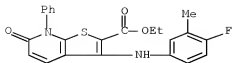
RN 639482-17-0 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, phenylmethyl ester (CA INDEX NAME)



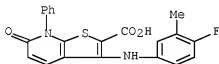
RN 639504-79-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 816424-65-4 CAPLUS

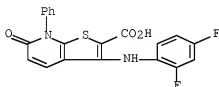
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt (1:1) (CA INDEX NAME)



● Li

RN 816424-66-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt (1:1) (CA INDEX NAME)

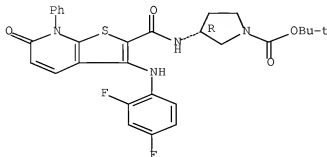


● Li

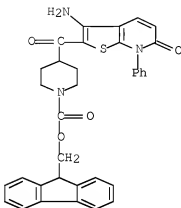
RN 816464-41-2 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3R)- (CA INDEX NAME)

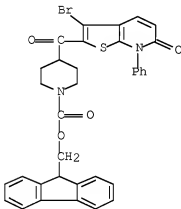
Absolute stereochemistry.



RN 816464-43-4 CAPLUS  
 CN 1-Piperidinecarboxylic acid, 4-[(3-amino-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)carbonyl]-, 9H-fluoren-9-ylmethyl ester  
 (CA INDEX NAME)

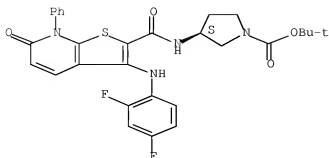


RN 816464-44-5 CAPLUS  
 CN 1-Piperidinecarboxylic acid, 4-[(3-bromo-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)carbonyl]-, 9H-fluoren-9-ylmethyl ester  
 (CA INDEX NAME)



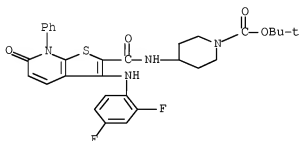
RN 816464-45-6 CAPLUS  
 CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, 1,1-dimethylethyl ester, (3S)- (CA INDEX NAME)

Absolute stereochemistry.



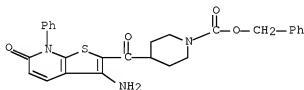
RN 816464-46-7 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)



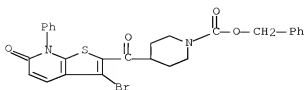
RN 816464-48-9 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[(3-amino-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)carbonyl]-, phenylmethyl ester (CA INDEX NAME)



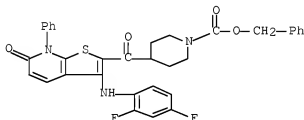
RN 816464-49-0 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[(3-bromo-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl)carbonyl]-, phenylmethyl ester (CA INDEX NAME)



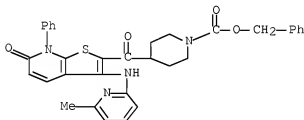
RN 816464-50-3 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-, phenylmethyl ester (CA INDEX NAME)



RN 816464-51-4 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[6,7-dihydro-3-[(6-methyl-2-pyridinyl)amino]-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-, phenylmethyl ester (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 9 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN  
ACCESSION NUMBER: 2004:1154720 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 142:93795

TITLE: Preparation of thienopyridone derivatives as p38 $\alpha$  kinase inhibitors

INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin; Langham, Barry John

PATENT ASSIGNEE(S): Celltech R & D Limited, UK

SOURCE: PCT Int. Appl., 129 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

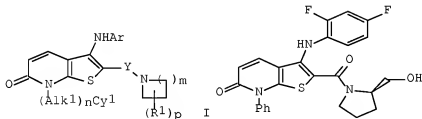
LANGUAGE: English



FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004113347	A1	20041229	WO 2004-GB2621	20040618
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004249495	A1	20041229	AU 2004-249495	20040618
CA 2528602	A1	20041229	CA 2004-2528602	20040618
EP 1641804	A1	20060405	EP 2004-742976	20040618
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR			
BR 2004010653	A	20060704	BR 2004-10653	20040618
CN 1809575	A	20060726	CN 2004-80017320	20040618
JP 2007516161	T	20070621	JP 2006-516443	20040618
MX 2005PA13227	A	20060309	MX 2005-PA13227	20051206
IN 2005DN05823	A	20080201	IN 2005-DN5823	20051214
NO 2006000279	A	20060320	NO 2006-279	20060119
US 20070099894	A1	20070503	US 2006-561052	20061010
PRIORITY APPLN. INFO.:			GB 2003-14492	A 20030620
			GB 2003-29485	A 20031219
			WO 2004-GB2621	W 20040618

OTHER SOURCE(S): CASREACT 142:93795; MARPAT 142:93795  
GI



AB Title compds. I [Y = linking group CO, SO<sub>2</sub>; n = 0-1; m, p = 1-4; R<sub>1</sub> = OH, alkylene-OH, alkoxy, etc.; Alk1 = alkylene; Cyl = cycloaliph., aromatic, heteroarom., etc.; Ar = (un)substituted (hetero)aromatic, etc.] are prepared For instance, 3-Bromo-7-phenyl-2-[[[(2R)-2-[[[(tetrahydro-2H-pyran-2-yl)oxy)methyl]pyrrolidin-1-yl]carbonyl]thieno[2,3-b]pyridin-6(7H)-one (preparation given) is coupled to 2,4-difluoroaniline (PhMe, Cs<sub>2</sub>CO<sub>3</sub>, BINAP, Pd<sub>2</sub>(dba)<sub>3</sub>, reflux 48 h) and the resulting product deprotected with HCl to give II. All compds. inhibit p38 kinase with IC<sub>50</sub> of 1 μM or less. I are useful for the treatment and/or prevention of immune or inflammatory disorders.

IT 816423-93-5P 816423-94-6P 816423-95-7P  
816423-96-8P 816423-97-9P 816423-98-0P

816423-99-1P 816424-00-7P 816424-01-8P  
 816424-02-9P 816424-03-0P 816424-04-1P  
 816424-05-2P 816424-06-3P 816424-07-4P  
 816424-08-5P 816424-09-6P 816424-10-9P  
 816424-11-0P 816424-12-1P 816424-13-2P  
 816424-14-3P 816424-15-4P 816424-16-5P  
 816424-17-6P 816424-18-7P 816424-19-8P  
 816424-20-1P 816424-21-2P 816424-22-3P  
 816424-23-4P 816424-24-5P 816424-25-6P  
 816424-26-7P 816424-27-8P 816424-28-9P  
 816424-29-0P 816424-31-4P 816424-32-5P  
 816424-33-6P 816424-34-7P 816424-35-8P  
 816424-36-9P 816424-37-0P 816424-38-1P  
 816424-39-2P 816424-40-5P 816424-41-6P  
 816424-42-7P 816424-43-8P 816424-44-9P  
 816424-45-0P 816424-46-1P 816424-47-2P  
 816424-48-3P 816424-49-4P 816424-50-7P  
 816424-51-8P 816424-52-9P 816424-53-0P  
 816424-54-1P 816424-55-2P 816424-56-3P  
 816424-57-4P 816424-58-5P 816424-59-6P  
 816424-60-9P 816424-61-0P 816424-62-1P  
 816424-63-2P 816426-21-8P

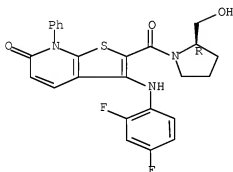
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(preparation of thienopyridone derivs. as p38 $\alpha$  kinase inhibitors)

RN 816423-93-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[ (2R)-2-  
 (hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

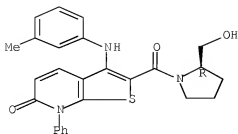
Absolute stereochemistry.



RN 816423-94-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[ (2R)-2-(hydroxymethyl)-1-  
 pyrrolidinyl]carbonyl]-3-[(3-methylphenyl)amino]-7-phenyl- (CA INDEX  
 NAME)

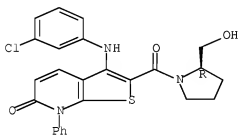
Absolute stereochemistry.



RN 816423-95-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

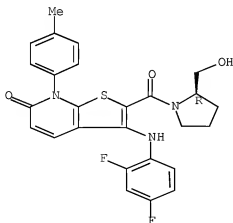
Absolute stereochemistry.



RN 816423-96-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

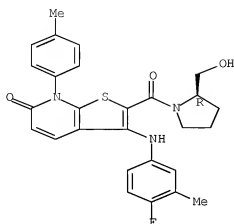
Absolute stereochemistry.



RN 816423-97-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

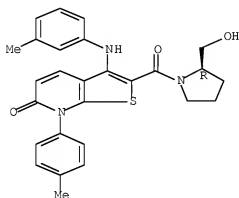
Absolute stereochemistry.



RN 816423-98-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)-3-[(3-methylphenyl)amino]- (CA INDEX NAME)

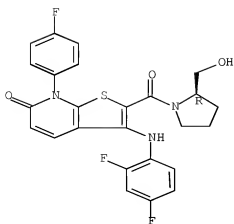
Absolute stereochemistry.



RN 816423-99-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

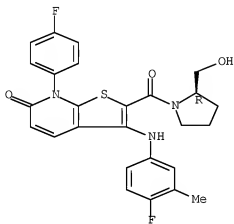
Absolute stereochemistry.



RN 816424-00-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-[(4-fluorophenyl)-2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]]- (CA INDEX NAME)

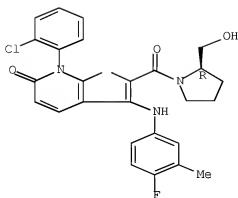
Absolute stereochemistry.



RN 816424-01-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]]- (CA INDEX NAME)

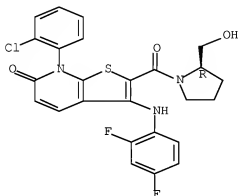
Absolute stereochemistry.



RN 816424-02-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-  
(CA INDEX NAME)

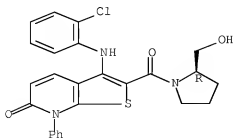
Absolute stereochemistry.



RN 816424-03-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2-chlorophenyl)amino]-2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

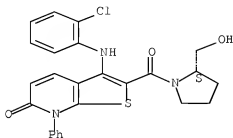
Absolute stereochemistry.



RN 816424-04-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2-chlorophenyl)amino]-2-[[ (2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

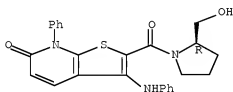
Absolute stereochemistry.



RN 816424-05-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

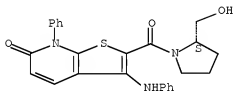
Absolute stereochemistry.



RN 816424-06-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[ (2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

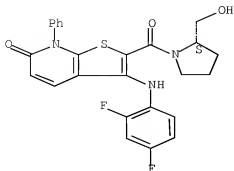
Absolute stereochemistry.



RN 816424-07-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[ (2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

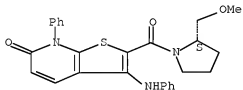
Absolute stereochemistry.



RN 816424-08-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2S)-2-(methoxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

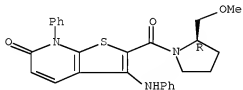
Absolute stereochemistry.



RN 816424-09-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(2R)-2-(methoxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)

Absolute stereochemistry.

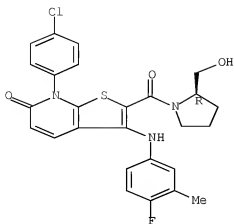


RN 816424-10-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

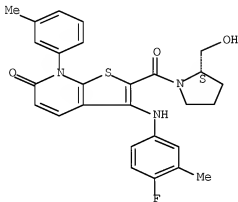




RN 816424-11-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-  
[[ (2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(3-methylphenyl)- (CA  
INDEX NAME)

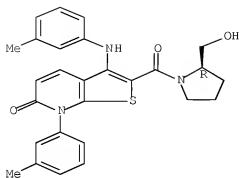
Absolute stereochemistry.



RN 816424-12-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[ (2R)-2-(hydroxymethyl)-1-  
pyrrolidinyl]carbonyl]-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]- (CA  
INDEX NAME)

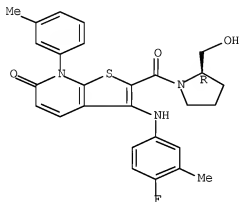
Absolute stereochemistry.



RN 816424-13-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-  
[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(3-methylphenyl)- (CA  
INDEX NAME)

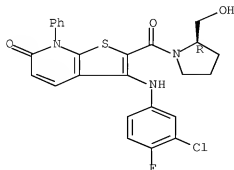
Absolute stereochemistry.



RN 816424-14-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chloro-4-fluorophenyl)amino]-2-  
[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX  
NAME)

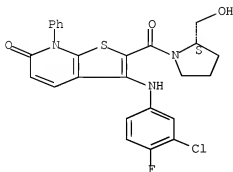
Absolute stereochemistry.



RN 816424-15-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chloro-4-fluorophenyl)amino]-2-  
[[ (2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX  
NAME)

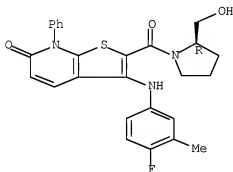
Absolute stereochemistry.



RN 816424-16-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-  
[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX  
NAME)

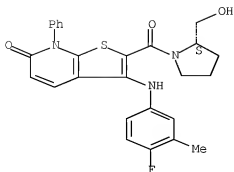
Absolute stereochemistry.



RN 816424-17-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-  
[[ (2S)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX  
NAME)

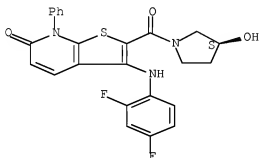
Absolute stereochemistry.



RN 816424-18-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

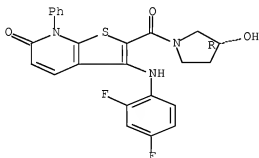
Absolute stereochemistry.



RN 816424-19-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

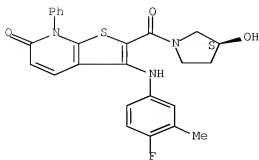
Absolute stereochemistry.



RN 816424-20-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

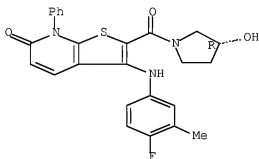
Absolute stereochemistry.



RN 816424-21-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[[ (3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

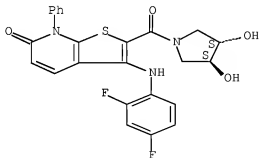
Absolute stereochemistry.



RN 816424-22-3 CAPLUS

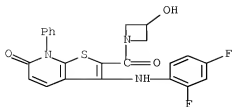
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[ (3S,4S)-3,4-dihydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-23-4 CAPLUS

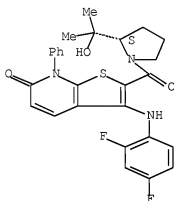
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3-hydroxy-1-azetidiny)]carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-24-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[ (2S)-2-(1-hydroxy-1-methylethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

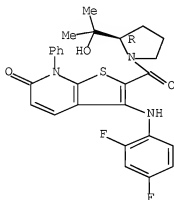
Absolute stereochemistry.



RN 816424-25-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[ (2R)-2-(1-hydroxy-1-methylethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.

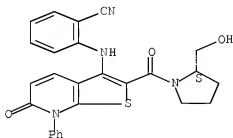


RN 816424-26-7 CAPLUS

CN Benzonitrile, 2-[[6,7-dihydro-2-[[ (2S)-2-(hydroxymethyl)-1-

pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]-  
(CA INDEX NAME)

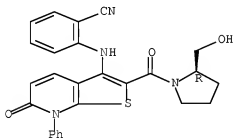
Absolute stereochemistry.



RN 816424-27-8 CAPLUS

CN Benzonitrile, 2-[[[6,7-dihydro-2-[[[2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]-  
(CA INDEX NAME)

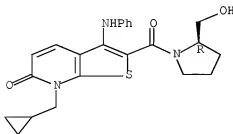
Absolute stereochemistry.



RN 816424-28-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(cyclopropylmethyl)-2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-3-(phenylamino)- (CA INDEX NAME)

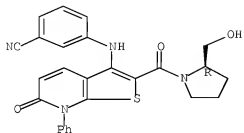
Absolute stereochemistry.



RN 816424-29-0 CAPLUS

CN Benzonitrile, 3-[[6,7-dihydro-2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]-  
(CA INDEX NAME)

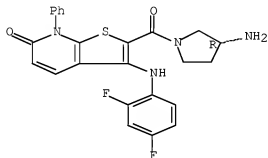
Absolute stereochemistry.



RN 816424-31-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[ (3R)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

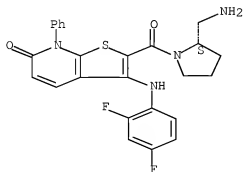
Absolute stereochemistry.



RN 816424-32-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[ (2S)-2-(aminomethyl)-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



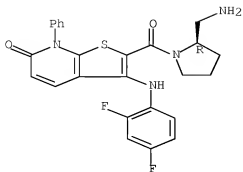
RN 816424-33-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[ (2R)-2-(aminomethyl)-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)



NAME)

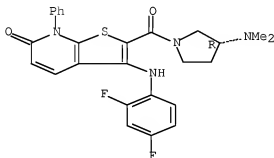
Absolute stereochemistry.



RN 816424-34-7 CAPLUS

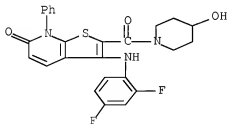
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(3R)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



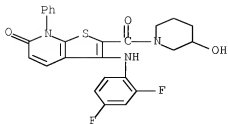
RN 816424-35-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(4-hydroxy-1-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-36-9 CAPLUS

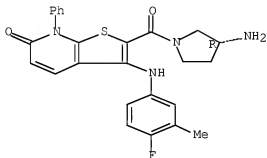
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[(4-hydroxy-1-piperidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-37-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[ (3R)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

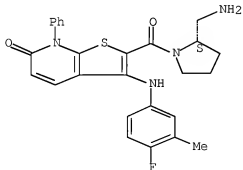
Absolute stereochemistry.



RN 816424-38-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[ (2S)-2-(aminomethyl)-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

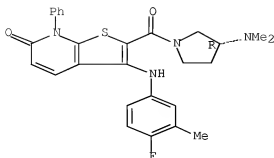
Absolute stereochemistry.



RN 816424-39-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[ (3R)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

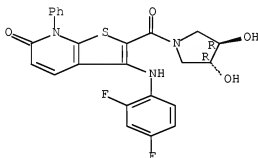
Absolute stereochemistry.



RN 816424-40-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[ (3R,4R)-3,4-dihydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

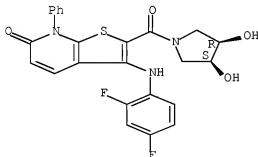
Absolute stereochemistry.



RN 816424-41-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[ (3R,4S)-3,4-dihydroxy-1-pyrrolidinyl]carbonyl]-7-phenyl-, rel- (CA INDEX NAME)

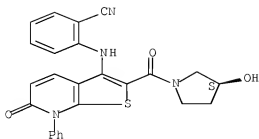
Relative stereochemistry.



RN 816424-42-7 CAPLUS

CN Benzonitrile, 2-[[[6,7-dihydro-2-[[ (3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)

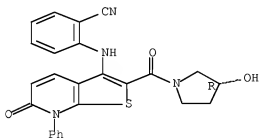
Absolute stereochemistry.



RN 816424-43-8 CAPLUS

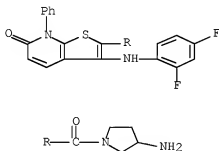
CN Benzonitrile, 2-[[6,7-dihydro-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-6-oxo-7-phenylthieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-44-9 CAPLUS

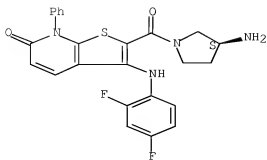
CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3-amino-1-pyrrolidinyl)carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)



RN 816424-45-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[[(3S)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl]- (CA INDEX NAME)

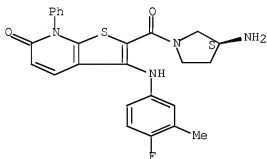
Absolute stereochemistry.



RN 816424-46-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[ (3S)-3-amino-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

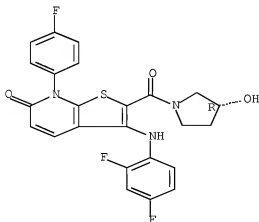
Absolute stereochemistry.



RN 816424-47-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[[ (3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

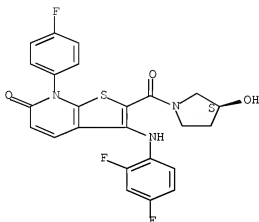


RN 816424-48-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[[ (3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

fluorophenyl)-2-[[ (3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

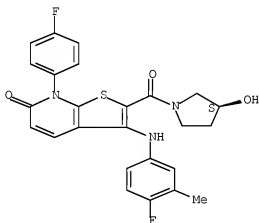
Absolute stereochemistry.



RN 816424-49-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-2-[[ (3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

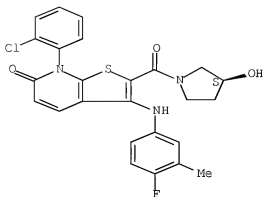
Absolute stereochemistry.



RN 816424-50-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[[ (3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

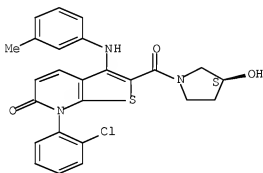
Absolute stereochemistry.



RN 816424-51-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-2-[[ (3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-3-[(3-methylphenyl)amino]- (CA INDEX NAME)

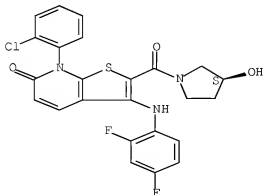
Absolute stereochemistry.



RN 816424-52-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[[ (2,4-difluorophenyl)amino]-2-[[ (3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

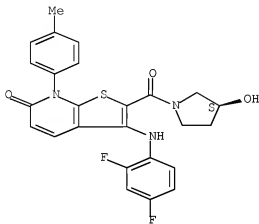
Absolute stereochemistry.



RN 816424-53-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[{(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

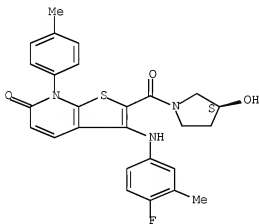
Absolute stereochemistry.



RN 816424-54-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[[{(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

Absolute stereochemistry.

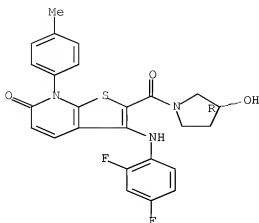


RN 816424-55-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[{(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

Absolute stereochemistry.

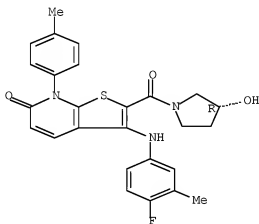




RN 816424-56-3 CAPLUS

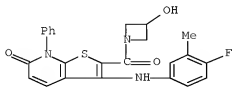
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[[ (3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

Absolute stereochemistry.



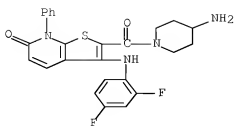
RN 816424-57-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-2-[(3-hydroxy-1-azetidinyl)carbonyl]-7-phenyl- (CA INDEX NAME)



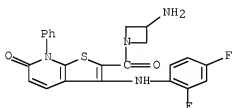
RN 816424-58-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-amino-1-piperidinyl)carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)



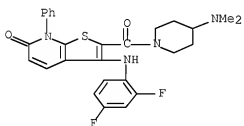
RN 816424-59-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(3-amino-1-piperidinyl)carbonyl]-3-[(2,4-difluorophenyl)amino]-7-phenyl- (CA INDEX NAME)



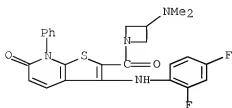
RN 816424-60-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[4-(dimethylamino)-1-piperidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-61-0 CAPLUS

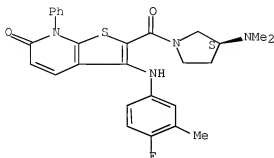
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[3-(dimethylamino)-1-piperidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)



RN 816424-62-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[[ (3S)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl- (CA INDEX NAME)

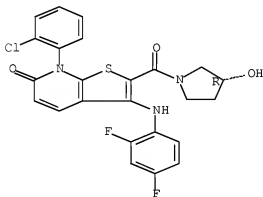
Absolute stereochemistry.



RN 816424-63-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[[ (3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

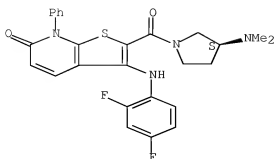
Absolute stereochemistry.



RN 816426-21-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-[[ (3S)-3-(dimethylamino)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

Absolute stereochemistry.



IT 514182-52-6P, Ethyl 3-bromo-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-57-1P, Ethyl 3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-13-3P, Ethyl 3-anilino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-14-4P, Ethyl 3-[(2-chlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-21-3P, Ethyl 3-[(3-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-22-4P, Ethyl 3-[(2-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-24-6P, Ethyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639479-26-8P 639479-59-7P, Ethyl 3-anilino-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-45-8P, Ethyl 3-[(3-chloro-4-fluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-49-2P, Ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-(4-chlorophenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-50-5P, Ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-(3-methylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639480-51-6P, Ethyl 3-[(3-methylphenyl)amino]-6-oxo-7-(3-methylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639481-50-6P, Ethyl 3-bromo-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639481-92-8P, Ethyl 3-bromo-7-(4-fluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639481-93-9P, Ethyl 3-bromo-7-(4-chlorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639481-94-0P, Ethyl 3-bromo-7-(3-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 639482-02-3P 639482-11-4P 639504-79-3P, Ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 660398-73-2P, 3-Bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 816424-64-3P, Ethyl 3-bromo-7-(4-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-66-5P 816424-67-6P 816424-68-7P 816424-69-8P 816424-70-1P 816424-71-2P, 3-Bromo-7-(4-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 816424-72-3P, 3-Bromo-7-(4-fluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 816424-73-4P 816424-74-5P 816424-75-6P 816424-76-7P 816424-77-8P 816424-78-9P 816424-79-0P 816424-80-3P 816424-81-4P 816424-82-5P 816424-83-6P 816424-84-7P 816424-85-8P 816424-86-9P 816424-87-0P, 3-Bromo-7-(2-chlorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 816424-88-1P 816424-89-2P 816424-90-5P 816424-91-6P 816424-93-6P, Sodium 3-[(2-

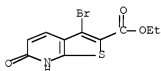
chlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-94-9P 816424-95-0P  
 816424-96-1P 816424-97-2P, Pentafluorophenyl  
 3-[(2-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 816424-98-3P, 3-Bromo-7-(4-fluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonyl chloride 816424-99-4P  
 816425-00-0P 816425-01-1P 816425-02-2P  
 816425-03-3P 816425-04-4P 816425-05-5P  
 816425-06-6P 816425-07-7P 816425-08-8P  
 816425-09-9P 816425-10-2P 816425-11-3P  
 816425-13-5P 816425-14-6P 816425-15-7P  
 816425-16-8P 816425-17-9P 816425-18-0P  
 816425-19-1P 816425-20-4P 816425-21-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of thienopyridone derivs. as p38a kinase inhibitors)

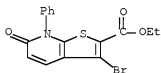
RN 514182-52-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



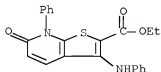
RN 514182-57-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



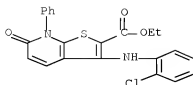
RN 639479-13-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



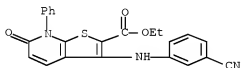
RN 639479-14-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



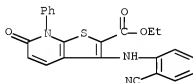
RN 639479-21-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



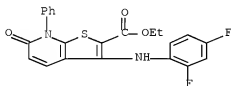
RN 639479-22-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



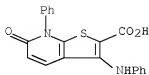
RN 639479-24-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 639479-26-8 CAPLUS

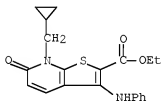
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ammonium salt (1:1) (CA INDEX NAME)



● NH3

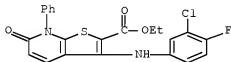
RN 639479-59-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



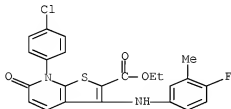
RN 639480-45-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



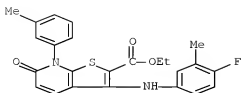
RN 639480-49-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



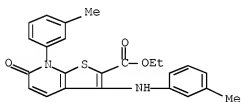
RN 639480-50-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(3-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



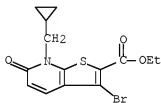
RN 639480-51-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-, ethyl ester (CA INDEX NAME)



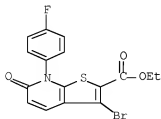
RN 639481-50-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639481-92-8 CAPLUS

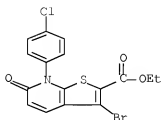
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639481-93-9 CAPLUS

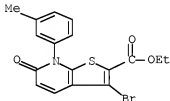


CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(4-chlorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



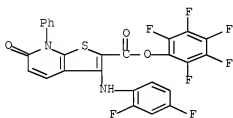
RN 639481-94-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-(3-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



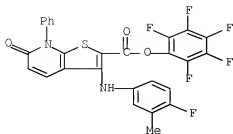
RN 639482-02-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



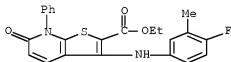
RN 639482-11-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



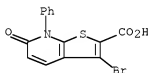
RN 639504-79-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



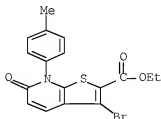
RN 660398-73-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



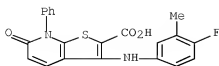
RN 816424-64-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-(4-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



RN 816424-65-4 CAPLUS

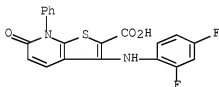
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt (1:1) (CA INDEX NAME)



● Li

RN 816424-66-5 CAPLUS

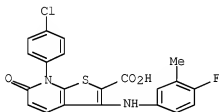
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, lithium salt (1:1) (CA INDEX NAME)



● Li

RN 816424-67-6 CAPLUS

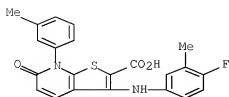
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-, sodium salt (1:1) (CA INDEX NAME)



● Na

RN 816424-68-7 CAPLUS

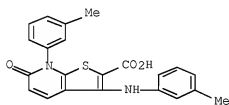
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(3-methylphenyl)-6-oxo-, sodium salt (1:1) (CA INDEX NAME)



● Na

RN 816424-69-8 CAPLUS

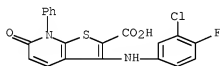
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-, sodium salt (1:1) (CA INDEX NAME)



● Na

RN 816424-70-1 CAPLUS

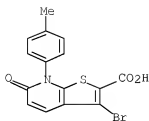
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, sodium salt (1:1) (CA INDEX NAME)



● Na

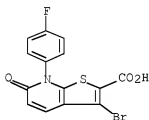
RN 816424-71-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-(4-methylphenyl)-6-oxo- (CA INDEX NAME)



RN 816424-72-3 CAPLUS

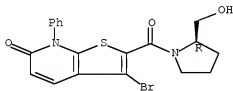
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(4-fluorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 816424-73-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-phenyl- (CA INDEX NAME)

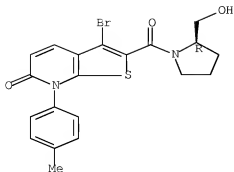
Absolute stereochemistry.



RN 816424-74-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-2-[[ (2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

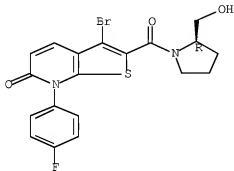
Absolute stereochemistry.



RN 816424-75-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(4-fluorophenyl)-2-[(2R)-2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

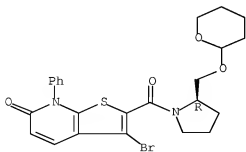
Absolute stereochemistry.



RN 816424-76-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-phenyl-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

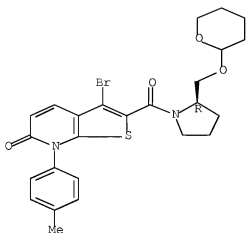
Absolute stereochemistry.



RN 816424-77-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(4-methylphenyl)-2-[(2R)-2-[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

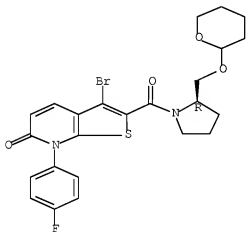
Absolute stereochemistry.



RN 816424-78-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(4-fluorophenyl)-2-[[[(2R)-2-[[tetrahydro-2H-pyran-2-yl]oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

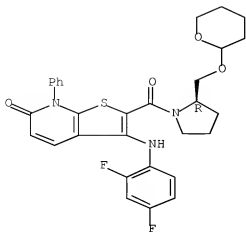
Absolute stereochemistry.



RN 816424-79-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-2-[[[(2R)-2-[[tetrahydro-2H-pyran-2-yl]oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

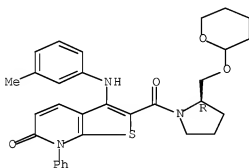
Absolute stereochemistry.



RN 816424-80-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-methylphenyl)amino]-7-phenyl-2-  
[[ (2R)-2-[[ (tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]-  
(CA INDEX NAME)

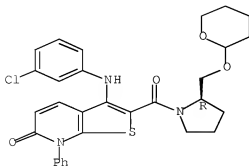
Absolute stereochemistry.



RN 816424-81-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-7-phenyl-2-  
[[ (2R)-2-[[ (tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]-  
(CA INDEX NAME)

Absolute stereochemistry.

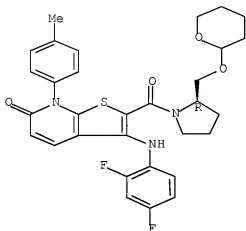




RN 816424-82-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-methylphenyl)-2-[[[(2R)-2-[[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

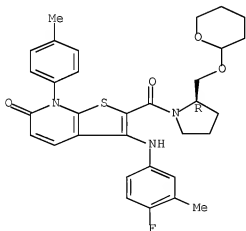
Absolute stereochemistry.



RN 816424-83-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-methylphenyl)-2-[[[(2R)-2-[[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

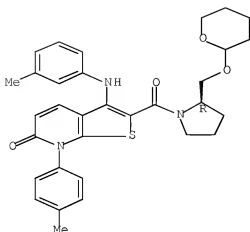
Absolute stereochemistry.



RN 816424-84-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(4-methylphenyl)-3-[(3-methylphenyl)amino]-2-[[[(2R)-2-[[[(tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

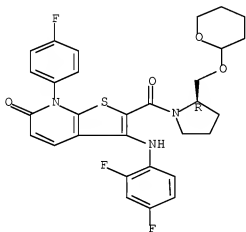
Absolute stereochemistry.



RN 816424-85-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[[ (2R)-2-[[ (tetrahydro-2H-pyran-2-yl)oxy)methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

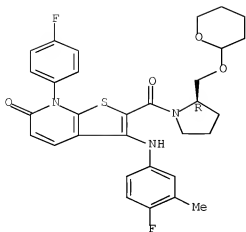
Absolute stereochemistry.



RN 816424-86-9 CAPLUS

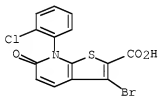
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-2-[[ (2R)-2-[[ (tetrahydro-2H-pyran-2-yl)oxy)methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-87-0 CAPLUS

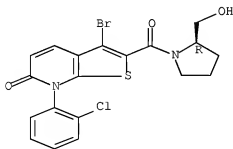
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(2-chlorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 816424-88-1 CAPLUS

CN Thieno[2,3-b]pyridine-6(7H)-one, 3-bromo-7-(2-chlorophenyl)-2-[[2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

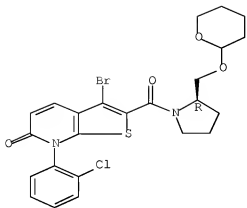
Absolute stereochemistry.



RN 816424-89-2 CAPLUS

CN Thieno[2,3-b]pyridine-6(7H)-one, 3-bromo-7-(2-chlorophenyl)-2-[[2-(hydroxymethyl)-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

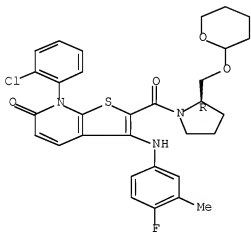
Absolute stereochemistry.



RN 816424-90-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[[ (2R)-2-[[ (tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

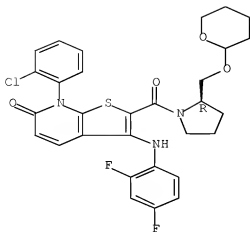
Absolute stereochemistry.



RN 816424-91-6 CAPLUS

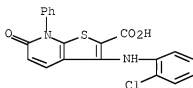
CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[[ (2R)-2-[[ (tetrahydro-2H-pyran-2-yl)oxy]methyl]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 816424-93-8 CAPLUS

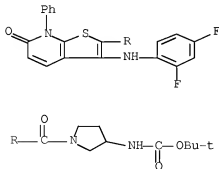
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, sodium salt (1:1) (CA INDEX NAME)



● Na

RN 816424-94-9 CAPLUS

CN Carbamic acid, [1-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

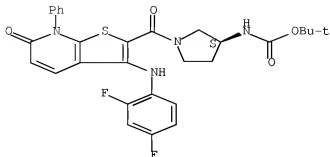


RN 816424-95-0 CAPLUS

CN Carbamic acid, [(3S)-1-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

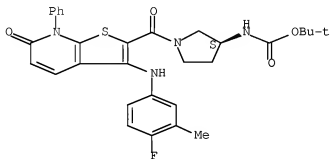
Absolute stereochemistry.



RN 816424-96-1 CAPLUS

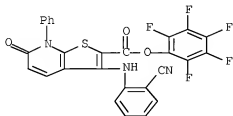
CN Carbamic acid, [(3S)-1-[[3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



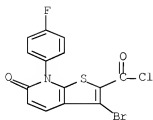
RN 816424-97-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



RN 816424-98-3 CAPLUS

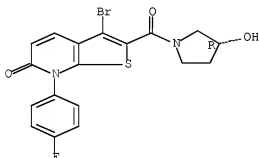
CN Thieno[2,3-b]pyridine-2-carbonyl chloride, 3-bromo-7-(4-fluorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 816424-99-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(4-fluorophenyl)-2-[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

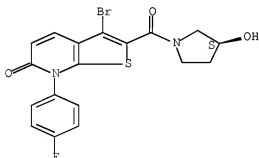
Absolute stereochemistry.



RN 816425-00-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(4-fluorophenyl)-2-[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

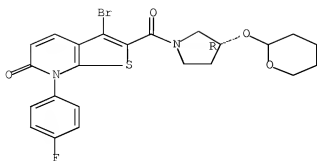
Absolute stereochemistry.



RN 816425-01-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(4-fluorophenyl)-2-[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

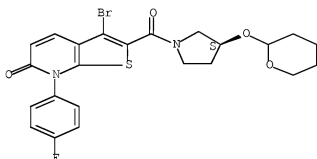
Absolute stereochemistry.



RN 816425-02-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(4-fluorophenyl)-2-[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

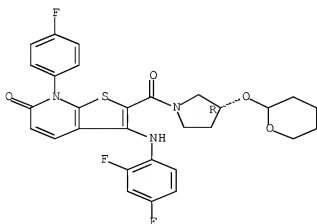
Absolute stereochemistry.



RN 816425-03-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-fluorophenyl)-2-[(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl- (CA INDEX NAME)

Absolute stereochemistry.



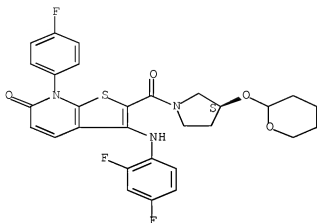
RN 816425-04-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-(4-



fluorophenyl)-2-[[ (3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

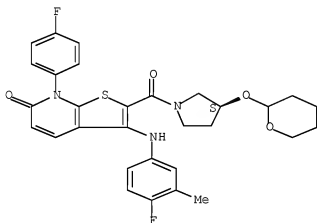
Absolute stereochemistry.



RN 816425-05-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-[(4-fluorophenyl)-2-[[ (3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

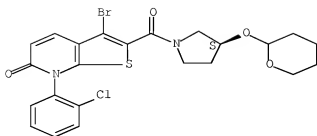
Absolute stereochemistry.



RN 816425-06-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2-chlorophenyl)-2-[[ (3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

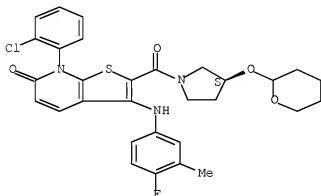
Absolute stereochemistry.



RN 816425-07-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-2-[[[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

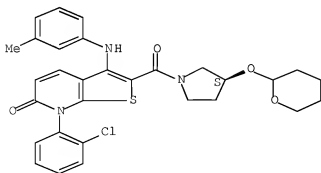
Absolute stereochemistry.



RN 816425-08-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(3-methylphenyl)amino]-2-[[[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

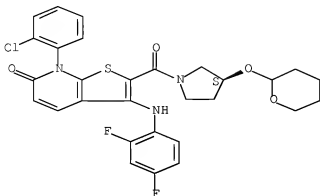


RN 816425-09-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-

difluorophenyl)amino]-2-[[[(3S)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

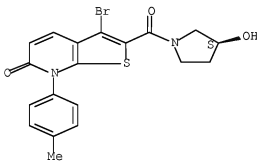
Absolute stereochemistry.



RN 816425-10-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-2-[[[(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

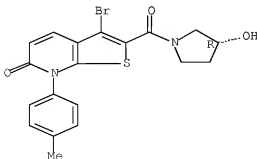
Absolute stereochemistry.



RN 816425-11-3 CAPLUS

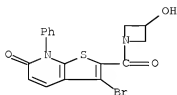
CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-2-[[[(3R)-3-hydroxy-1-pyrrolidinyl]carbonyl]-7-(4-methylphenyl)- (CA INDEX NAME)

Absolute stereochemistry.



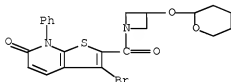
RN 816425-13-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-2-[(3-hydroxy-1-azetidiny)carbonyl]-7-phenyl- (CA INDEX NAME)



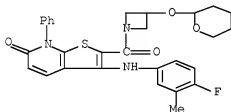
RN 816425-14-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-phenyl-2-[[3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-azetidiny]carbonyl]- (CA INDEX NAME)



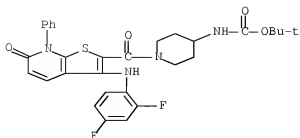
RN 816425-15-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluoro-3-methylphenyl)amino]-7-phenyl-2-[[3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-azetidiny]carbonyl]- (CA INDEX NAME)



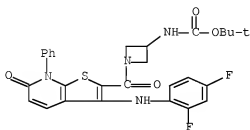
RN 816425-16-8 CAPLUS

CN Carbamic acid, [1-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-4-piperidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 816425-17-9 CAPLUS

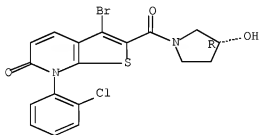
CN Carbamic acid, [1-[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]-3-azetidiny]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 816425-18-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2-chlorophenyl)-2-[[3-(3-hydroxy-1-pyrrolidinyl)carbonyl]- (CA INDEX NAME)

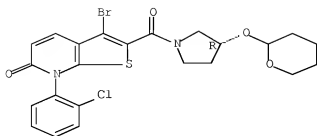
Absolute stereochemistry.



RN 816425-19-1 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2-chlorophenyl)-2-[[3-(3-hydroxy-1-pyrrolidinyl)carbonyl]- (CA INDEX NAME)

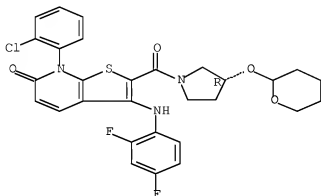
Absolute stereochemistry.



RN 816425-20-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-(2-chlorophenyl)-3-[(2,4-difluorophenyl)amino]-2-[[{(3R)-3-[(tetrahydro-2H-pyran-2-yl)oxy]-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

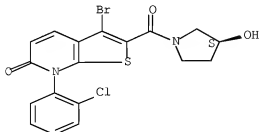
Absolute stereochemistry.



RN 816425-21-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-bromo-7-(2-chlorophenyl)-2-[[{(3S)-3-hydroxy-1-pyrrolidinyl]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

3

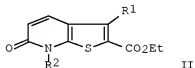
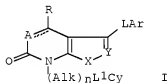
THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 10 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:143162 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 140:181432  
TITLE: Preparation of bicyclic heteroaromatic compounds as  
p38 kinase inhibitors  
INVENTOR(S): Brookings, Daniel Christopher; Davis, Jeremy Martin;  
Langham, Barry John  
PATENT ASSIGNEE(S): Celltech R & D Limited, UK  
SOURCE: PCT Int. Appl., 75 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004014920	A1	20040219	WO 2003-GB3501	20030811
W: CO, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CE, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GM, GR, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MW, MX, MY, NZ, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MD, SD, SI, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2495518	A1	20040219	CA 2003-2495518	20030811
AU 2003252990	A1	20040225	AU 2003-252990	20030811
EP 1539769	A1	20050615	EP 2003-784288	
AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005537300	T	20051208	JP 2004-275055	20030811
US 20060025428	A1	20060202	US 2005-524199	20050728
PRIORITY APPLN. INFO.:			GB 2002-18800	20020813
			WO 2003-GB3501	W 20030811
OTHER SOURCE(S):	MARPAT 140:181432			
GI				



AB Title compds. 1[A = N, (un)substituted CH, dashed line is a double bond; A = (un)substituted NH, CH2, dashed line is a single bond; X = O, S, (un)substituted NH, S(O), SO2; Y = N, (un)substituted CH; Alk = (un)substituted aliphatic, heteroaliph.; n = 0, 1; Ar = (un)substituted aromatic, heteroarom.; L = atom, alkylene, heteroalkylene; L1 = bond, linker atom, linker group; Cy = H, (un)substituted cycloaliph, polycycloaliph., heterocyclic, polyheterocyclic, aromatic, heteroarom.; R = H, CN, (un)substituted alkyl, CO2H, CONH2], especially 6-oxo-6,7-dihydrothieno[2,3-

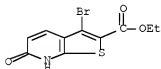
b]pyridine derivs., which are inhibitors of p38 kinase of use in the treatment and/or prevention of immune or inflammatory disorders (no data) were prepared. Thus, II [R1 = NHCH2Ph, r2 = Ph] was prepared from 2-chloronicotinonitrile and HSCH2CO2Et via II [R1 = Br, R2 = H] by treatment with PhB(OH)2 and PhCH2NH2.

IT 514182-52-6P 514182-57-1P 639481-34-8P  
639481-50-8P 660398-73-2P 660398-74-3P  
660398-75-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of bicyclic heteroarom. compds. as p38 kinase inhibitors)

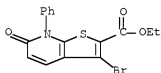
RN 514182-52-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



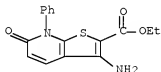
RN 514182-57-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 639481-34-8 CAPLUS

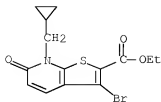
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 639481-50-8 CAPLUS

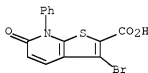
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)





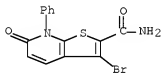
RN 660398-73-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



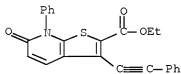
RN 660398-74-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-bromo-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 660398-75-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(2-phenylethynyl)-, ethyl ester (CA INDEX NAME)



IT 660398-49-2P 660398-50-5P 660398-51-6P

660398-52-7P 660398-53-8P 660398-54-9P

660398-55-0P 660398-56-1P 660398-58-3P

660398-59-4P 660398-60-7P 660398-61-8P

660398-62-9P 660398-63-0P 660398-64-1P

660398-65-2P 660398-68-5P 660398-69-6P

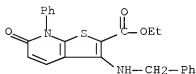
660398-70-9P 660398-71-0P 660398-72-1P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of bicyclic heteroarom. compds. as p38 kinase inhibitors)

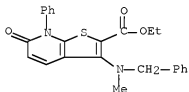
RN 660398-49-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[(phenylmethyl)amino]-, ethyl ester (CA INDEX NAME)



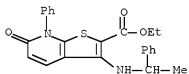
RN 660398-50-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[methyl(phenylmethyl)amino]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



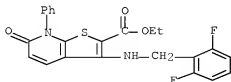
RN 660398-51-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[(1-phenylethyl)amino]-, ethyl ester (CA INDEX NAME)



RN 660398-52-7 CAPLUS

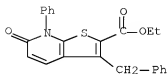
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,6-difluorophenyl)methyl]amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 660398-53-8 CAPLUS

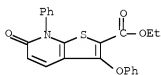
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-

(phenylmethyl)-, ethyl ester (CA INDEX NAME)



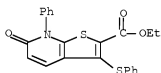
RN 660398-54-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenoxymethyl-7-phenyl-, ethyl ester (CA INDEX NAME)



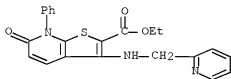
RN 660398-55-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylthio)-, ethyl ester (CA INDEX NAME)



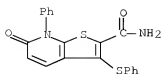
RN 660398-56-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[(2-pyridinylmethyl)amino]-, ethyl ester (CA INDEX NAME)



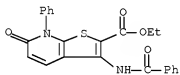
RN 660398-58-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylthio)- (CA INDEX NAME)



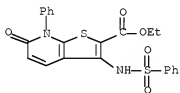
RN 660398-59-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(benzoylamino)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



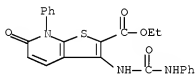
RN 660398-60-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[(phenylsulfonyl)amino]-, ethyl ester (CA INDEX NAME)



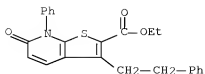
RN 660398-61-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[(phenylamino)carbonylamino]-, ethyl ester (CA INDEX NAME)



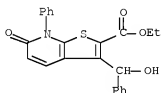
RN 660398-62-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(2-phenylethyl)-, ethyl ester (CA INDEX NAME)



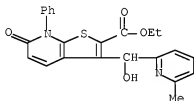
RN 660398-63-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(hydroxyphenylmethyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



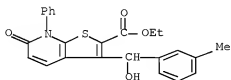
RN 660398-64-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[hydroxy(6-methyl-2-pyridinyl)methyl]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



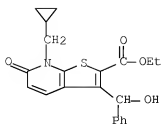
RN 660398-65-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[hydroxy(3-methylphenyl)methyl]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



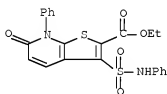
RN 660398-68-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-6,7-dihydro-3-(hydroxyphenylmethyl)-6-oxo-, ethyl ester (CA INDEX NAME)



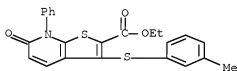
RN 660398-69-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[(phenylamino)sulfonyl]-, ethyl ester (CA INDEX NAME)



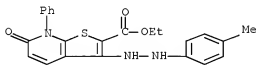
RN 660398-70-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(3-methylphenyl)thio]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



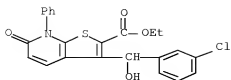
RN 660398-71-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[2-(4-methylphenyl)hydrazinyl]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 660398-72-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chlorophenyl)hydroxymethyl]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)

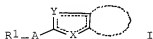


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 11 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2004:142958 CAPLUS Full-text  
 DOCUMENT NUMBER: 140:193096  
 TITLE: Fused bicyclic metalloproteinase inhibitors, pharmaceutical compositions, and therapeutic use  
 INVENTOR(S): Wilson, Michael William  
 PATENT ASSIGNEE(S): Warner-Lambert Company LLC, USA  
 SOURCE: PCT Int. Appl., 102 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004014375	A2	20040219	WO 2003-IB3523	20030804
WO 2004014375	A3	20040603		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG AU 2003249540 A1 20040225 AU 2003-249540 20030804 PRIORITY APPLN. INFO.: US 2002-403008P P 20020813 WO 2003-IB3523 W 20030804				

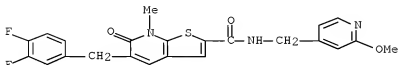
OTHER SOURCE(S): MARPAT 140:193096  
 GI



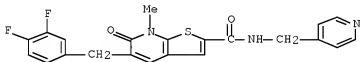
AB The invention discloses fused bicyclic metalloproteinase inhibitors I [A = C2-6 alkynyl, bond, etc.; X, Y = O, S, etc. (with proviso); dashed lines = optional double bonds; B = substituted pyridinyl; R1 = C1-6 alkyl, C2-6 alkenyl, etc.], as well as pharmaceutical compns. and methods of treating arthritis, inflammation, cancer and other disorders.  
 IT 660815-19-2 660815-80-5 660815-81-6

RN 660815-79-2 CAPLUS

*ab*      •      *ab*      *ba*      *ab*      •      *ab*      •      *ab*

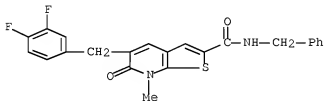


RN 660815-80-5 CAPLUS

[illegible]

RN 660815-81-6 CAPLUS

100



ACCESSION NUMBER: 2004:142808 CAPLUS Full-text

TITLE: Fused bicyclic

INVENTOR(S): Wilson, Michael William

SOURCE: U.S. Pat. Appl. Publ., 41 p.

DOCUMENT TYPE: Patent

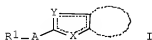
FAMILY ACC	NUM	COUNT:	2
------------	-----	--------	---

PATENT INFORMATION.



PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040034054	A1	20040219	US 2003-634162	20030805
US 6949651	B2	20050927		
PRIORITY APPLN. INFO.:			US 2002-403008P	P 20020813
OTHER SOURCE(S):	MARPAT 140:193094			

GI



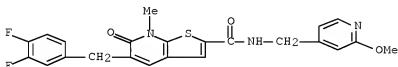
AB The invention discloses fused bicyclic metalloproteinase inhibitors I [A = C2-6 alkynyl, bond, etc.; X, Y = O, S, etc. (with proviso); dashed lines = optional double bonds; B = substituted pyridinyl; R1 = C1-6 alkyl, C2-6 alkenyl, etc.], as well as pharmaceutical compns. and methods of treating arthritis, inflammation, cancer, and other disorders.

IT 660815-79-2 660815-80-5 660815-81-6

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(fused bicyclic metalloproteinase inhibitors, pharmaceutical compns., and therapeutic use)

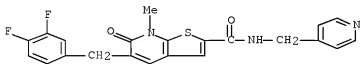
RN 660815-79-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-N-[(2-methoxy-4-pyridinyl)methyl]-7-methyl-6-oxo- (CA INDEX NAME)



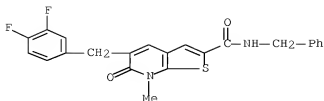
RN 660815-80-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-7-methyl-6-oxo-N-(4-pyridinylmethyl)- (CA INDEX NAME)



RN 660815-81-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 5-[(3,4-difluorophenyl)methyl]-6,7-dihydro-7-methyl-6-oxo-N-(phenylmethyl)- (CA INDEX NAME)



12 of

REFERENCE COUNT: 85 THERE ARE 85 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 13 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:2888 CAPLUS Full-text

DOCUMENT NUMBER: 140:59658

TITLE: Preparation of arylamine substituted bicyclic hetero-aromatic compounds as p38 kinase inhibitors  
Brookings, Daniel Christopher; Davis, Jeremy Martin; Langham, Barry John

INVENTOR(S): Celltech R & D Limited, UK

PATENT ASSIGNEE(S): PCT Int. Appl., 174 pp.

SOURCE: CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

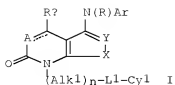
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000846	A1	20031231	WO 2003-GB2667	20030620
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RM:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2487718	A1	20031231	CA 2003-2487718	20030620
AU 2003253087	A1	20040106	AU 2003-253087	20030620
BR 2003011842	A	20050315	BR 2003-11842	20030620
EP 1551848	A1	20050713	EP 2003-760802	20030620
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
CN 1671715	A	20050921	CN 2003-818371	20030620
JP 2005530838	T	20051013	JP 2004-515043	20030620
NZ 537740	A	20060331	NZ 2003-537740	20030620
MX 2004PA12746	A	20050323	MX 2004-PA12746	20041215
NO 2005000306	A	20050316	NO 2005-306	20050119
ZA 2005000524	A	20060830	ZA 2005-524	20050119
US 20060004025	A1	20060105	US 2005-518725	20050526
PRIORITY APPLN. INFO.:			GB 2002-14268	A 20020620
			WO 2003-GB2667	W 20030620

OTHER SOURCE(S): MARPAT 140:59658

GI



AB Bicyclic heteroarom. derivs. I; where the dashed line joining A and C(Ra) is present and represents a bond and A is a -N= atom or a -C(Rb)= group, or the dashed line is absent and A is a -N(Rb)-, or -C(Rb)(Rc)- group; X is an -O-, -S- or substituted nitrogen atom or a -S(O)-, -S(O2)- or -NH- group; Y is a nitrogen or substituted carbon atom or a -CH= group; n is zero or the integer 1; Alkl is an optionally substituted aliphatic or hetero-aliphatic chain L1 is a covalent bond or a linker atom or group; Cyl is a hydrogen atom or an optionally substituted cyclo-aliphatic, poly-cyclo-aliphatic, hetero-cyclo-aliphatic, poly-hetero-cyclo-aliphatic, aromatic or hetero-aromatic group; Ar is an optionally substituted aromatic or heteroarom. group; and the remaining substituents are defined in the specification. The compds. are potent and selective inhibitors of p38 kinase and are of use in the prophylaxis and treatment of immune or inflammatory disorders. Thus, 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-N-pyrrolidin-3-yl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide was prepared as a p38 kinase inhibitor. In the p38 inhibitor assays described above compds. of the invention have IC50 values of around 1  $\mu$ M and below. The compds. of the invention are clearly potent inhibitors of p38 kinase, especially p38 $\alpha$  kinase.

IT 639479-13-3P 639479-14-4P 639479-15-5P  
639479-21-3P 639479-22-4P 639479-24-6P  
639479-26-8P 639479-52-0P 639479-54-2P  
639479-74-6P 639479-78-0P 639479-80-4P  
639479-82-6P 639479-84-8P 639479-93-9P  
639479-94-0P 639479-96-2P 639479-98-4P  
639479-99-5P 639480-02-7P 639480-05-0P  
639480-06-1P 639480-10-7P 639480-12-9P  
639480-41-4P 639480-42-5P 639480-43-6P  
639480-45-8P 639480-46-9P 639480-47-0P  
639480-48-1P

RL: IMF (Industrial manufacture); PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

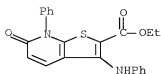
(preparation of arylamine substituted bicyclic hetero-aromatic compds. as

p38

kinase inhibitors)

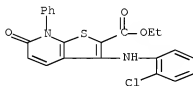
RN 639479-13-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



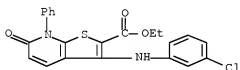
RN 639479-14-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



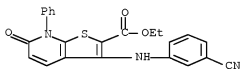
RN 639479-15-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



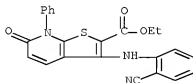
RN 639479-21-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 639479-22-4 CAPLUS

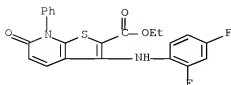
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 639479-24-6 CAPLUS

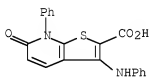
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-

dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 639479-26-8 CAPLUS

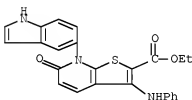
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, ammonium salt (1:1) (CA INDEX NAME)



● NH<sub>3</sub>

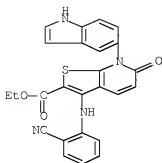
RN 639479-52-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



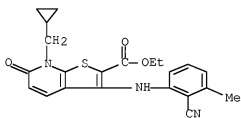
RN 639479-54-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-, ethyl ester (CA INDEX NAME)



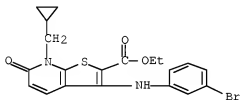
RN 639479-74-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyano-3-methylphenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



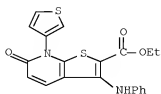
RN 639479-78-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-bromophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



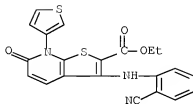
RN 639479-80-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-thienyl)-, ethyl ester (CA INDEX NAME)



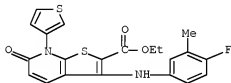
RN 639479-82-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)-, ethyl ester (CA INDEX NAME)



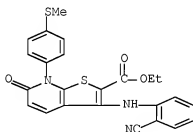
RN 639479-84-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)-, ethyl ester (CA INDEX NAME)



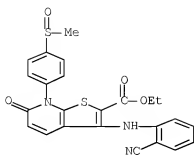
RN 639479-93-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[4-(methylthio)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



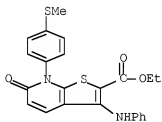
RN 639479-94-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[4-(methylsulfinyl)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



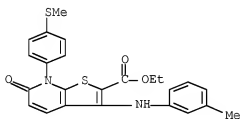
RN 639479-96-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-(methylthio)phenyl]-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



RN 639479-98-4 CAPLUS

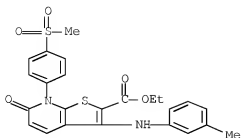
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(3-methylphenyl)amino]-7-[4-(methylthio)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639479-99-5 CAPLUS

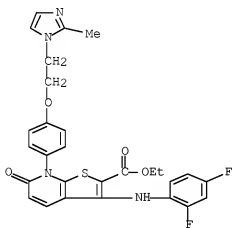
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(3-methylphenyl)amino]-7-[4-(methylsulfonyl)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)





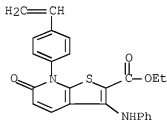
RN 639480-02-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



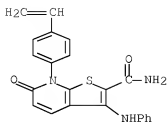
RN 639480-05-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



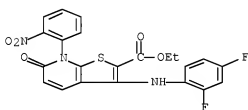
RN 639480-06-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



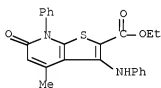
RN 639480-10-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-nitrophenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



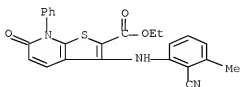
RN 639480-12-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-4-methyl-6-oxo-7-phenyl-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



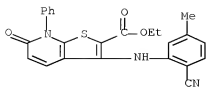
RN 639480-41-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyano-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



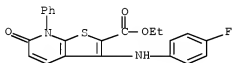
RN 639480-42-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyano-5-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



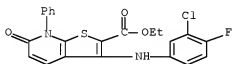
RN 639480-43-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



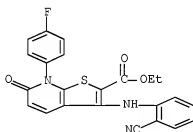
RN 639480-45-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



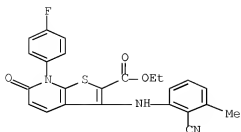
RN 639480-46-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)

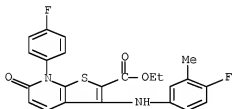


RN 639480-47-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyano-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639480-48-1 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



IT 639479-16-6P 639479-17-7P 639479-18-8P  
 639479-19-9P 639479-20-2P 639479-23-5P  
 639479-25-7P 639479-29-1P 639479-30-4P  
 639479-37-1P 639479-39-3P 639479-40-6P  
 639479-42-8P 639479-44-0P 639479-46-2P  
 639479-49-5P 639479-50-8P 639479-51-9P  
 639479-53-1P 639479-55-3P 639479-56-4P  
 639479-57-5P 639479-59-7P 639479-60-0P  
 639479-61-1P 639479-62-2P 639479-63-3P  
 639479-69-9P 639479-70-2P 639479-71-3P  
 639479-72-4P 639479-73-5P 639479-75-7P  
 639479-76-8P 639479-79-1P 639479-81-5P  
 639479-83-7P 639479-85-9P 639479-86-0P  
 639479-87-1P 639479-88-2P 639479-90-6P  
 639479-92-8P 639479-95-1P 639479-97-3P  
 639480-00-5P 639480-01-6P 639480-03-8P  
 639480-04-9P 639480-07-2P 639480-08-3P  
 639480-11-8P 639480-13-0P 639480-15-2P  
 639480-16-3P 639480-17-4P 639480-19-6P  
 639480-20-9P 639480-21-0P 639480-22-1P  
 639480-23-2P 639480-24-3P 639480-25-4P  
 639480-26-5P 639480-27-6P 639480-28-7P  
 639480-29-8P 639480-30-1P 639480-31-2P  
 639480-32-3P 639480-33-4P 639480-34-5P  
 639480-35-6P 639480-36-7P 639480-37-8P  
 639480-38-9P 639480-39-0P 639480-40-3P  
 639480-44-7P 639480-49-2P 639480-50-5P  
 639480-51-6P 639480-77-6P 639480-78-7P  
 639480-79-8P 639480-80-1P 639480-81-2P  
 639480-82-3P 639480-83-4P 639480-84-5P  
 639480-85-6P 639480-86-7P 639480-87-8P

639480-66-3P 639480-89-0P 639480-90-3P  
 639480-91-4P 639480-92-5P 639480-93-6P  
 639480-94-7P 639480-95-8P 639480-96-9P  
 639480-97-0P 639480-98-1P 639480-99-2P  
 639481-00-8P 639481-01-9P 639481-02-0P  
 639481-03-1P 639481-04-2P 639481-05-3P  
 639481-09-7P 639481-10-0P 639481-12-2P  
 639481-13-3P 639481-15-5P 639481-16-6P  
 639481-18-8P 639481-19-9P 639481-20-2P  
 639481-21-3P 639481-22-4P 639481-23-5P  
 639481-24-6P 639481-25-7P 639481-26-8P  
 639481-27-9P 639504-80-6P

RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN  
 (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study);  
 PREP (Preparation); USES (Uses)

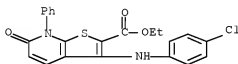
(preparation of arylamine substituted bicyclic hetero-aromatic compds. as

p38

kinase inhibitors)

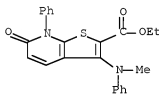
RN 639479-16-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-chlorophenyl)amino]-6,7-  
 dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



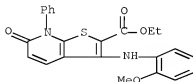
RN 639479-17-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(methylphenylamino)-  
 6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



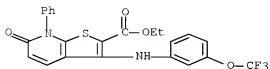
RN 639479-18-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(2-  
 methoxyphenyl)amino]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



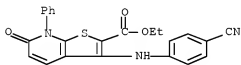
RN 639479-19-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[[3-(trifluoromethoxy)phenyl]amino]-, ethyl ester (CA INDEX NAME)



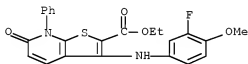
RN 639479-20-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



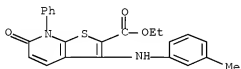
RN 639479-23-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-fluoro-4-methoxyphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



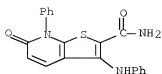
RN 639479-25-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



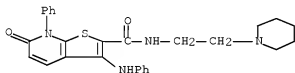
RN 639479-29-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



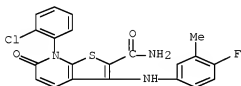
RN 639479-30-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-N-[2-(1-piperidiny)ethyl]- (CA INDEX NAME)



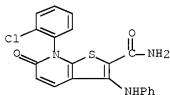
RN 639479-37-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



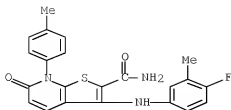
RN 639479-39-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(2-chlorophenyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



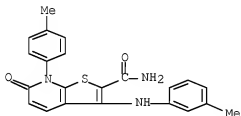
RN 639479-40-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(4-methylphenyl)-6-oxo- (CA INDEX NAME)



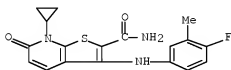
RN 639479-42-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-7-(4-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



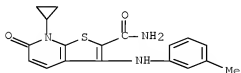
RN 639479-44-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-cyclopropyl-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



RN 639479-46-2 CAPLUS

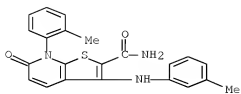
CN Thieno[2,3-b]pyridine-2-carboxamide, 7-cyclopropyl-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



RN 639479-49-5 CAPLUS

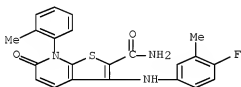
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-7-(2-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)





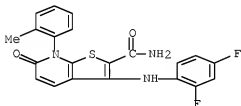
RN 639479-50-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(2-methylphenyl)-6-oxo- (CA INDEX NAME)



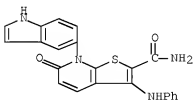
RN 639479-51-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-methylphenyl)-6-oxo- (CA INDEX NAME)



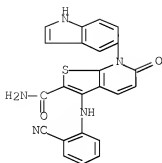
RN 639479-53-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-3-(phenylamino)- (CA INDEX NAME)



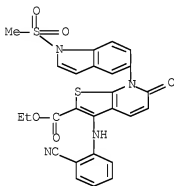
RN 639479-55-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-(1H-indol-5-yl)-6-oxo- (CA INDEX NAME)



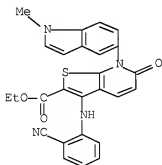
RN 639479-56-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[(1-methylsulfonyl)-1H-indol-5-yl]-6-oxo-, ethyl ester (CA INDEX NAME)



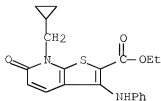
RN 639479-57-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[(1-methyl-1H-indol-5-yl)-6-oxo-, ethyl ester (CA INDEX NAME)



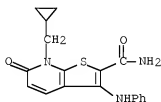
RN 639479-59-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



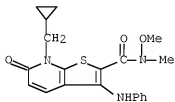
RN 639479-60-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



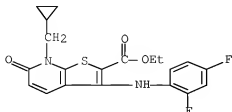
RN 639479-61-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-6,7-dihydro-N-methoxy-N-methyl-6-oxo-3-(phenylamino)- (CA INDEX NAME)



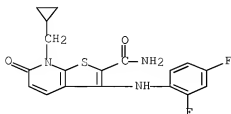
RN 639479-62-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



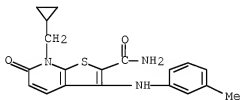
RN 639479-63-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



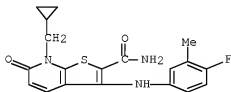
RN 639479-69-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



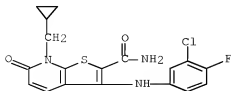
RN 639479-70-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



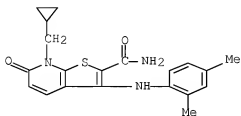
RN 639479-71-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-chloro-4-fluorophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



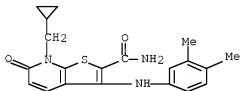
RN 639479-72-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-3-[(2,4-dimethylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



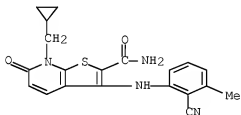
RN 639479-73-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-3-[(3,4-dimethylphenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



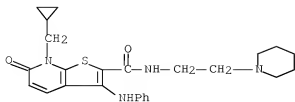
RN 639479-75-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyano-3-methylphenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



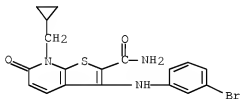
RN 639479-76-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-N-[2-(1-piperidinyl)ethyl]- (CA INDEX NAME)



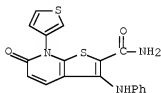
RN 639479-79-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-bromophenyl)amino]-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



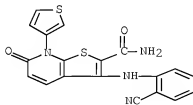
RN 639479-81-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-thienyl)- (CA INDEX NAME)



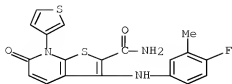
RN 639479-83-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)- (CA INDEX NAME)



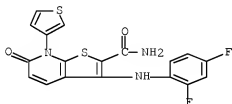
RN 639479-85-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)- (CA INDEX NAME)



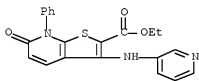
RN 639479-86-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-(3-thienyl)- (CA INDEX NAME)



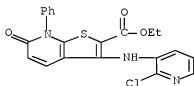
RN 639479-87-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(3-pyridinylamino)-, ethyl ester (CA INDEX NAME)



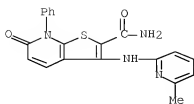
RN 639479-88-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2-chloro-3-pyridinyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



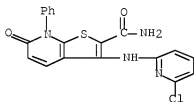
RN 639479-90-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[(6-methyl-2-pyridinyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



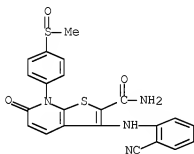
RN 639479-92-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(6-chloro-2-pyridinyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639479-95-1 CAPLUS

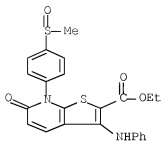
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyanophenyl)amino]-6,7-dihydro-7-[4-(methylsulfinyl)phenyl]-6-oxo- (CA INDEX NAME)



RN 639479-97-3 CAPLUS

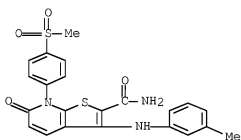
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-(methylsulfinyl)phenyl]-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)





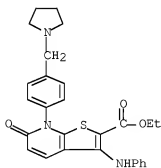
RN 639480-00-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[(3-methylphenyl)amino]-7-[4-(methylsulfonyl)phenyl]-6-oxo- (CA INDEX NAME)



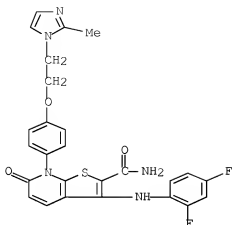
RN 639480-01-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-(phenylamino)-7-[4-(1-pyrrolidinylmethyl)phenyl]-, ethyl ester (CA INDEX NAME)



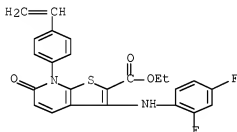
RN 639480-03-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo- (CA INDEX NAME)



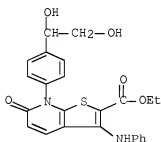
RN 639480-04-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



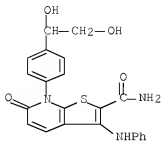
RN 639480-07-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(1,2-dihydroxyethyl)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



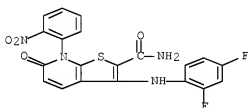
RN 639480-08-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-[4-(1,2-dihydroxyethyl)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)- (CA INDEX NAME)



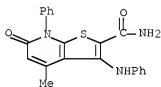
RN 639480-11-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-nitrophenyl)-6-oxo- (CA INDEX NAME)



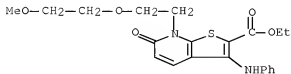
RN 639480-13-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-4-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



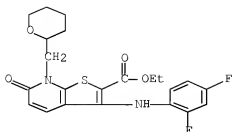
RN 639480-15-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[2-(2-methoxyethoxy)ethyl]-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



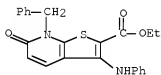
RN 639480-16-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-[(tetrahydro-2H-pyran-2-yl)methyl]-, ethyl ester (CA INDEX NAME)



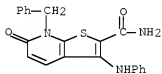
RN 639480-17-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(phenylmethyl)-, ethyl ester (CA INDEX NAME)



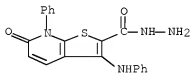
RN 639480-19-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(phenylmethyl)- (CA INDEX NAME)



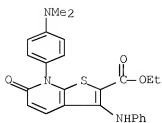
RN 639480-20-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)-, hydrazide (CA INDEX NAME)



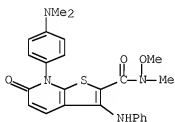
RN 639480-21-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



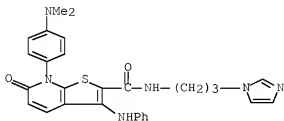
RN 639480-22-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-[4-(dimethylamino)phenyl]-6,7-dihydro-N-methoxy-N-methyl-6-oxo-3-(phenylamino)- (CA INDEX NAME)



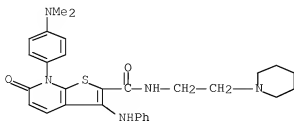
RN 639480-23-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-[4-(dimethylamino)phenyl]-6,7-dihydro-N-[3-(1H-imidazol-1-yl)propyl]-6-oxo-3-(phenylamino)- (CA INDEX NAME)



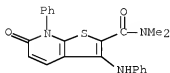
RN 639480-24-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-N-[2-(1-piperidinyl)ethyl]- (CA INDEX NAME)



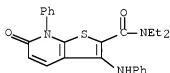
RN 639480-25-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N,N-dimethyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



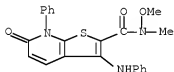
RN 639480-26-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, N,N-diethyl-6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



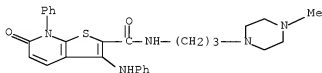
RN 639480-27-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-methoxy-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



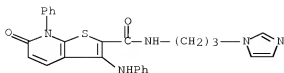
RN 639480-28-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[3-(4-methyl-1-piperazinyl)propyl]-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



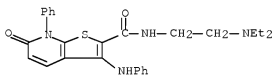
RN 639480-29-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[3-(1H-imidazol-1-yl)propyl]-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



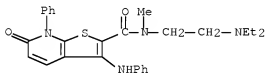
RN 639480-30-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, N-[2-(diethylamino)ethyl]-6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



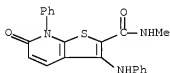
RN 639480-31-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, N-[2-(diethylamino)ethyl]-6,7-dihydro-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



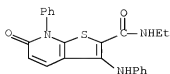
RN 639480-32-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



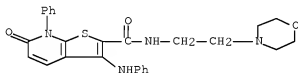
RN 639480-33-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, N-ethyl-6,7-dihydro-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



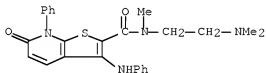
RN 639480-34-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[2-(4-morpholinyl)ethyl]-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



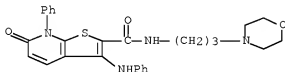
RN 639480-35-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, N-[2-(dimethylamino)ethyl]-6,7-dihydro-N-methyl-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



RN 639480-36-7 CAPLUS

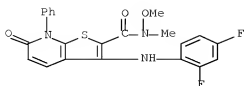
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[3-(4-morpholinyl)propyl]-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



RN 639480-37-8 CAPLUS

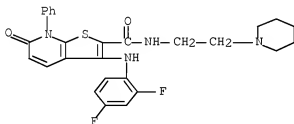
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-methoxy-N-methyl-6-oxo-7-phenyl- (CA INDEX NAME)





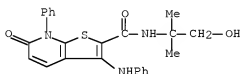
RN 639480-38-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-[2-(1-piperidinyl)ethyl]- (CA INDEX NAME)



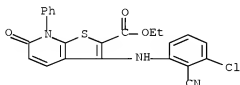
RN 639480-39-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-(2-hydroxy-1,1-dimethylethyl)-6-oxo-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



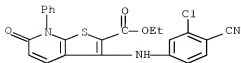
RN 639480-40-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-2-cyanophenyl)amino]-  
6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



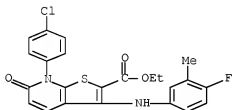
RN 639480-44-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-4-cyanophenyl)amino]-  
6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



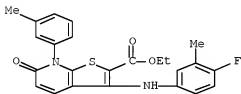
RN 639480-49-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



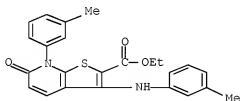
RN 639480-50-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-7-(3-methylphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



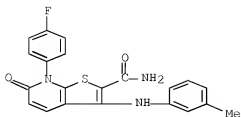
RN 639480-51-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(3-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-, ethyl ester (CA INDEX NAME)



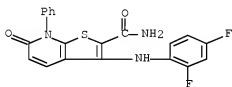
RN 639480-77-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(4-fluorophenyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



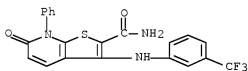
RN 639480-78-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



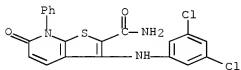
RN 639480-79-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-[[3-(trifluoromethyl)phenyl]amino]- (CA INDEX NAME)



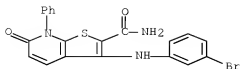
RN 639480-80-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3,5-dichlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



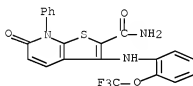
RN 639480-81-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-bromophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



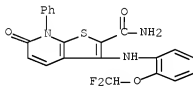
RN 639480-82-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-[[2-(trifluoromethoxy)phenyl]amino]- (CA INDEX NAME)



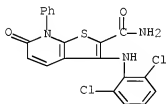
RN 639480-83-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[[2-(difluoromethoxy)phenyl]amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



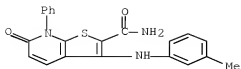
RN 639480-84-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,6-dichlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



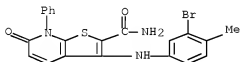
RN 639480-85-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



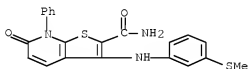
RN 639480-86-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-bromo-4-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



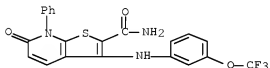
RN 639480-87-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[[3-(methylthio)phenyl]amino]-6-oxo-7-phenyl- (CA INDEX NAME)



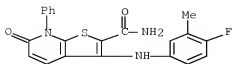
RN 639480-88-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-[[3-(trifluoromethoxy)phenyl]amino]- (CA INDEX NAME)



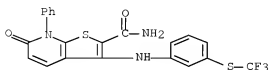
RN 639480-89-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



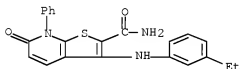
RN 639480-90-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-7-phenyl-3-[[3-(trifluoromethyl)thio]phenyl]amino]- (CA INDEX NAME)



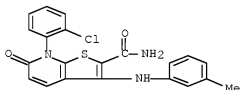
RN 639480-91-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-ethylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



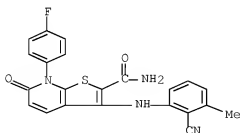
RN 639480-92-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(2-chlorophenyl)-6,7-dihydro-3-[(3-methylphenyl)amino]-6-oxo- (CA INDEX NAME)



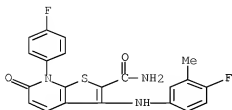
RN 639480-93-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyano-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



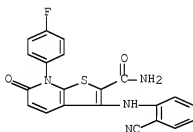
RN 639480-94-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



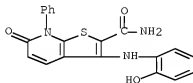
RN 639480-95-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyanophenyl)amino]-7-(4-fluorophenyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



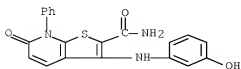
RN 639480-96-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[(2-hydroxyphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



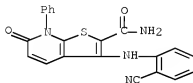
RN 639480-97-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-3-[(3-hydroxyphenyl)amino]-6-oxo-7-phenyl- (CA INDEX NAME)



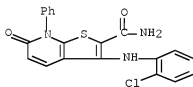
RN 639480-98-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



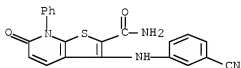
RN 639480-99-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



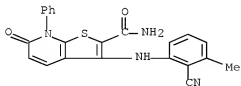
RN 639481-00-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-cyanophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639481-01-9 CAPLUS

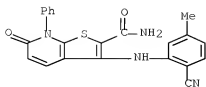
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyano-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



RN 639481-02-0 CAPLUS

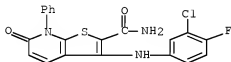
CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2-cyano-5-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)





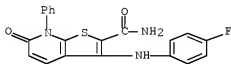
RN 639481-03-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



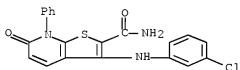
RN 639481-04-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



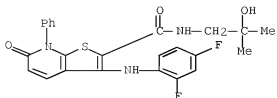
RN 639481-05-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl- (CA INDEX NAME)



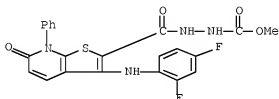
RN 639481-09-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-N-(2-hydroxy-2-methylpropyl)-6-oxo-7-phenyl- (CA INDEX NAME)



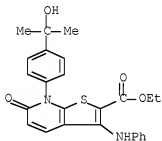
RN 639481-10-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2-(methoxycarbonyl)hydrazide (CA INDEX NAME)



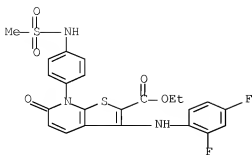
RN 639481-12-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-(1-hydroxy-1-methylethyl)phenyl]-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



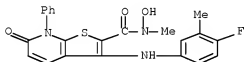
RN 639481-13-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-[4-[(methylsulfonyl)amino]phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



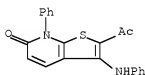
RN 639481-15-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-N-hydroxy-N-methyl-6-oxo-7-phenyl- (CA INDEX NAME)



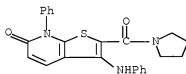
RN 639481-16-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-acetyl-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



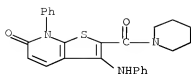
RN 639481-18-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



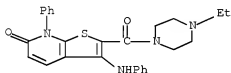
RN 639481-19-9 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-phenyl-3-(phenylamino)-2-(1-piperidinylcarbonyl)- (CA INDEX NAME)



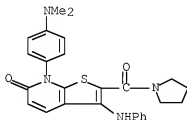
RN 639481-20-2 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-ethyl-1-piperazinyl)carbonyl]-7-phenyl-3-(phenylamino)- (CA INDEX NAME)



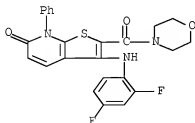
RN 639481-21-3 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 7-[4-(dimethylamino)phenyl]-3-(phenylamino)-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



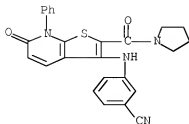
RN 639481-22-4 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-2-(4-morpholinylcarbonyl)-7-phenyl- (CA INDEX NAME)



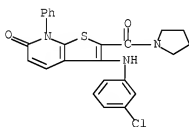
RN 639481-23-5 CAPLUS

CN Benzonitrile, 3-[[6,7-dihydro-6-oxo-7-phenyl-2-(1-pyrrolidinylcarbonyl)thieno[2,3-b]pyridin-3-yl]amino]- (CA INDEX NAME)



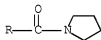
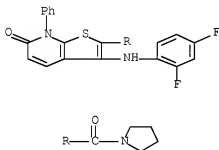
RN 639481-24-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(3-chlorophenyl)amino]-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



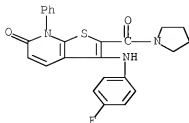
RN 639481-25-7 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(2,4-difluorophenyl)amino]-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



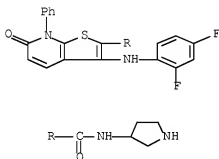
RN 639481-26-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-[(4-fluorophenyl)amino]-7-phenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



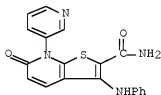
RN 639481-27-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-N-3-pyrrolidinyl- (CA INDEX NAME)



RN 639504-80-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(3-pyridinyl)- (CA INDEX NAME)



IT 514182-52-6P 514182-57-1P 639481-28-0P  
 639481-29-1P 639481-34-8P 639481-47-3P  
 639481-48-4P 639481-49-5P 639481-50-8P  
 639481-52-0P 639481-55-3P 639481-56-4P  
 639481-58-6P 639481-60-0P 639481-61-1P  
 639481-62-2P 639481-63-3P 639481-64-4P  
 639481-65-5P 639481-66-6P 639481-67-7P  
 639481-72-4P 639481-73-5P 639481-76-8P  
 639481-78-0P 639481-84-9P 639481-85-3P  
 639481-86-0P 639481-87-1P 639481-89-3P  
 639481-90-6P 639481-91-7P 639481-92-8P  
 639481-93-9P 639481-94-0P 639481-99-5P  
 639482-00-1P 639482-02-3P 639482-04-5P  
 639482-05-6P 639482-06-7P 639482-07-8P  
 639482-09-0P 639482-10-3P 639482-11-4P

639482-12-5P 639482-13-6P 639482-17-0P  
639504-79-3P

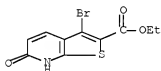
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of arylamine substituted bicyclic hetero-aromatic compds. as

p38

kinase inhibitors)

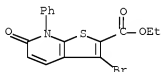
RN 514182-52-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



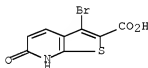
RN 514182-57-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



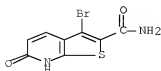
RN 639481-28-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo- (CA INDEX NAME)



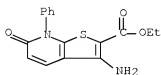
RN 639481-29-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 3-bromo-6,7-dihydro-6-oxo- (CA INDEX NAME)



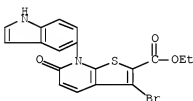
RN 639481-34-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



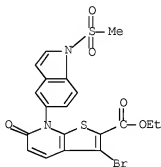
RN 639481-47-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639481-48-4 CAPLUS

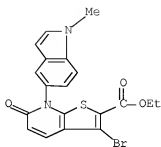
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-[1-(methylsulfonyl)-1H-indol-5-yl]-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639481-49-5 CAPLUS

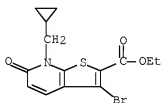
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-(1-methyl-1H-indol-5-yl)-6-oxo-, ethyl ester (CA INDEX NAME)





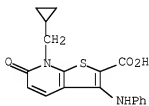
RN 639481-50-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639481-52-0 CAPLUS

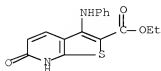
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-6,7-dihydro-6-oxo-3-(phenylamino)-, ammonium salt (1:1) (CA INDEX NAME)



● NH<sub>3</sub>

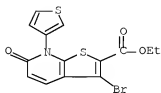
RN 639481-55-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-(phenylamino)-, ethyl ester (CA INDEX NAME)



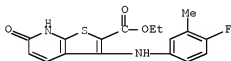
RN 639481-56-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-(3-thienyl)-, ethyl ester (CA INDEX NAME)



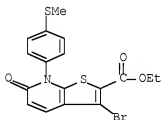
RN 639481-58-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



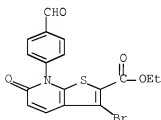
RN 639481-60-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-[4-(methylthio)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



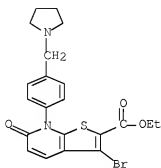
RN 639481-61-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(4-formylphenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



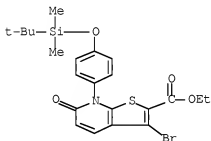
RN 639481-62-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-[4-(1-pyrrolidinylmethyl)phenyl]-, ethyl ester (CA INDEX NAME)



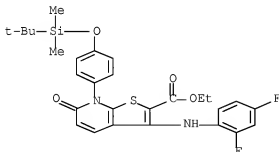
RN 639481-63-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-[4-[[[1,1-dimethylethyl]dimethylsilyl]oxy]phenyl]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



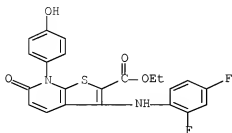
RN 639481-64-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-7-[4-[[[1,1-dimethylethyl]dimethylsilyl]oxy]phenyl]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



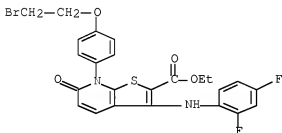
RN 639481-65-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(4-hydroxyphenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



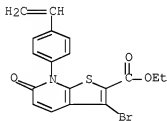
RN 639481-66-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(2-bromoethoxy)phenyl]-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



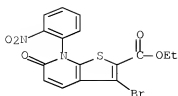
RN 639481-67-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(4-ethenylphenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



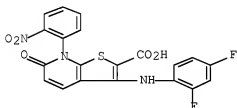
RN 639481-72-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-(2-nitrophenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639481-73-5 CAPLUS

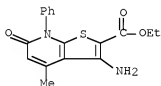
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-7-(2-nitrophenyl)-6-oxo-, sodium salt (1:1) (CA INDEX NAME)



● Na

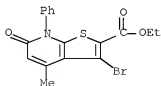
RN 639481-76-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-amino-6,7-dihydro-4-methyl-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 639481-78-0 CAPLUS

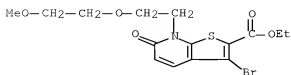
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-4-methyl-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 639481-84-8 CAPLUS

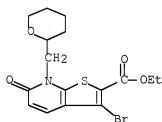
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-[2-(2-

methoxyethoxy)ethyl]-6-oxo-, ethyl ester (CA INDEX NAME)



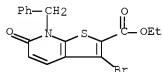
RN 639481-85-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-[(tetrahydro-2H-pyran-2-yl)methyl]-, ethyl ester (CA INDEX NAME)



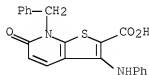
RN 639481-86-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-(phenylmethyl)-, ethyl ester (CA INDEX NAME)



RN 639481-87-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-(phenylamino)-7-(phenylmethyl)-, ammonium salt (1:1) (CA INDEX NAME)

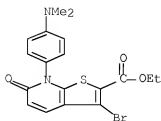


● NH<sub>3</sub>

RN 639481-89-3 CAPLUS

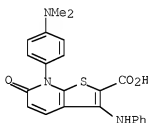
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-[4-

(dimethylamino)phenyl]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639481-90-6 CAPLUS

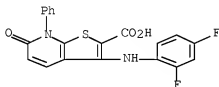
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-3-(phenylamino)-, ammonium salt (1:1) (CA INDEX NAME)



● NH<sub>3</sub>

RN 639481-91-7 CAPLUS

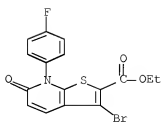
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium salt (1:1) (CA INDEX NAME)



● NH<sub>3</sub>

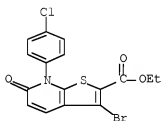
RN 639481-92-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



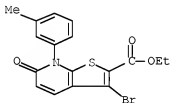
RN 639481-93-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-(4-chlorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



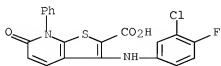
RN 639481-94-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-(3-chlorophenyl)-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639481-99-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chloro-4-fluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium salt (1:1) (CA INDEX NAME)

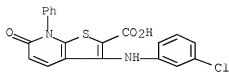


● NH<sub>3</sub>



RN 639482-00-1 CAPLUS

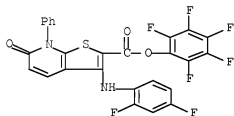
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(3-chlorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium salt (1:1) (CA INDEX NAME)



● NH<sub>3</sub>

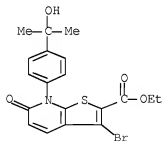
RN 639482-02-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



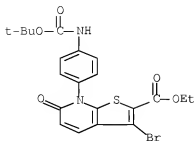
RN 639482-04-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-7-[4-(1-hydroxy-1-methylethyl)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)



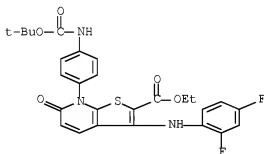
RN 639482-05-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-7-[4-[(1,1-dimethylethoxy)carbonyl]amino]phenyl]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



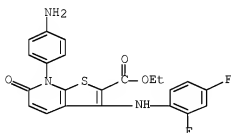
RN 639482-06-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(2,4-difluorophenyl)amino]-7-[4-[(1,1-dimethylethoxy)carbonyl]amino]phenyl]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



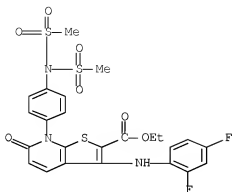
RN 639482-07-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-aminophenyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



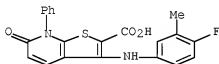
RN 639482-09-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-bis(methylsulfonyl)amino]phenyl]-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



RN 639482-10-3 CAPLUS

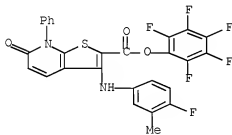
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ammonium salt (1:1) (CA INDEX NAME)



● NH3

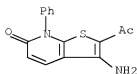
RN 639482-11-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, 2,3,4,5,6-pentafluorophenyl ester (CA INDEX NAME)



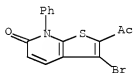
RN 639482-12-5 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-acetyl-3-amino-7-phenyl- (CA INDEX NAME)



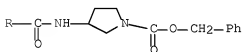
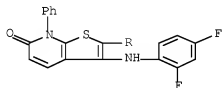
RN 639482-13-6 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-acetyl-3-bromo-7-phenyl- (CA INDEX NAME)



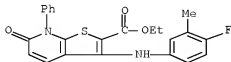
RN 639482-17-0 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[[3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo-7-phenylthieno[2,3-b]pyridin-2-yl]carbonyl]amino]-, phenylmethyl ester (CA INDEX NAME)



RN 639504-79-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(4-fluoro-3-methylphenyl)amino]-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



IT 639482-18-1

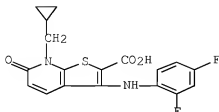
RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of arylamine substituted bicyclic hetero-aromatic compds. as

kinase inhibitors)

RN 639482-18-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6,7-dihydro-6-oxo- (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 14 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:608946 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 140:27778

TITLE: Electron-rich amino heterocycles for regiospecific synthesis of trifluoromethyl-containing fused pyridines

AUTHOR(S): Volochnyuk, Dmitriy M.; Pushechnikov, Alexei O.; Krotko, Dmitriy G.; Sibgatulin, Dmitriy A.; Kovalyova, Svetlana A.; Tolmachev, Andrei A.

CORPORATE SOURCE: Research and Development Center for Chemistry and Biology, National Taras Shevchenko University, Kiev, 01033, Ukraine

SOURCE: Synthesis (2003), (10), 1531-1540  
CODEN: SYNTBF; ISSN: 0039-7881

PUBLISHER: Georg Thieme Verlag

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 140:27778

AB The reaction of 4,4,4-trifluoro-3-oxobutanoates with electron-rich amino heterocycles was investigated. A simple and flexible general procedure for the regiospecific annulation of the trifluoromethylpyridine ring to electron-rich amino heterocycles was proposed. A set of CF<sub>3</sub>-containing fused pyridines in almost quant. yield was obtained.

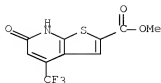
IT 389419-63-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of trifluoromethylated fused pyridines from electron-rich amino heterocycles)

RN 380419-63-6 CAPLUS

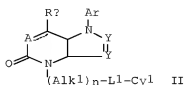
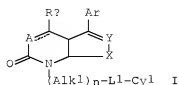
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-4-(trifluoromethyl)-, methyl ester (CA INDEX NAME)



REFERENCE COUNT: 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 15 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 2003:319905 CAPLUS Full-text  
 DOCUMENT NUMBER: 138:321293  
 TITLE: Preparation of bicyclic oxopyrimidine and oxopyrimidine derivatives as potent selective inhibitors of p38 kinase  
 INVENTOR(S): Davis, Jeremy Martin; Brookings, Daniel Christopher; Langham, Barry John  
 PATENT ASSIGNEE(S): Celitech R & D Limited, UK  
 SOURCE: PCT Int. Appl., 138 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003033502	A1	20030424	WO 2002-GB4680	20021016
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG				
CA 2462147	A1	20030424	CA 2002-2462147	20021016
AU 2002336172	A1	20030428	AU 2002-336172	20021016
AU 2002336172	B2	20070913		
EP 1438313	A1	20040721	EP 2002-770072	20021016
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
HU 2004001718	A2	20041228	HU 2004-1718	20021016
JP 2005505627	T	20050224	JP 2003-536241	20021016
CN 1604901	A	20050406	CN 2002-825094	20021016
NZ 532713	A	20051028	NZ 2002-532713	20021016
MX 2004PA03450	A	20040716	MX 2004-PA3450	20040413
IN 2004DN00970	A	20050401	IN 2004-DN970	20040413
ZA 2004002803	A	20060628	ZA 2004-2803	20040413
NO 2004001975	A	20050716	NO 2004-1975	20040513
US 20040254200	A1	20041216	US 2004-492466	20040720
US 7176215	B2	20070213		
PRIORITY APPLN. INFO.:			GB 2001-24848	A 20011016



AB Bicyclic oxopyridine and oxopyrimidine derivs. (shown as I and II, resp. e.g. Et 6-oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate; the dashed line = an optional bond; A = N, N(Rb), C(Rb) or C(Rb)(RC); Ra, Rb and Rc = H or optionally substituted C1-6alkyl; X = O, S, NH or substituted N; each Y = N, CH or substituted C; n = 0-1; Alkl = optionally substituted aliphatic or heteroaliph. chain; L1 = covalent bond or a linker atom or group; Cyl = H or optionally substituted cycloaliph., polycycloaliph., heterocycloaliph., polyheterocycloaliph., aromatic or heteroarom. group; Ar = optionally substituted aromatic or heteroarom. group) and the salts, solvates, hydrates and N-oxides thereof are described. The compds. are potent inhibitors of p38 kinase and are used in the prophylaxis or treatment of p38 kinase mediated diseases or disorders, such as rheumatoid arthritis. In the p38 inhibitor assay compds. of the invention have IC50 values of .apprx.30  $\mu$ M and below. The more active compds. have IC50 values of .apprx.500 nM and below. The compds. of the invention are clearly potent inhibitors of p38 kinase, especially p38 $\alpha$  kinase. Although the methods of preparation are not claimed, 17 example preps. of intermediates and 129 example preps. of I/II are included.

II 514182-85-5P, Ethyl 6-oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-98-3P, 6-Oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 514184-30-6P, 6-Oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-46-4P, Ethyl 7-[4-(hydroxymethyl)phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-47-5P, Ethyl 7-(4-hydroxyphenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-49-7P, Ethyl 7-[4-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-51-1P, Ethyl 7-[4-(2-morpholinoethoxy)phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-54-4P, N-Allyl-6-oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-63-5E, 7-[4-(2-Morpholinoethoxy)phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 514184-64-6P, 7-[4-(2-Morpholinoethoxy)phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-66-6P, 7-[4-(2-(2-Methyl-1H-imidazol-1-yl)ethoxy)phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-74-8P, Ethyl 7-(4-bromophenyl)-3-(2,4-difluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-75-9P, Ethyl 3-(2,4-difluorophenyl)-7-[4-(4-methylpiperazin-1-yl)phenyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate hydrochloride 514184-80-6P, Ethyl 7-[[1-(Benzyloxycarbonyl)piperidin-4-yl]methyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-81-7P, Ethyl 6-Oxo-3-phenyl-7-(piperidin-4-yl)methyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-83-9P, Ethyl

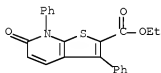
7-(2-nitrophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-86-2P, 7-(2-Nitrophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 514184-88-4P, Ethyl 7-(2-chlorophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-89-5P, 7-(2-Chlorophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 514184-90-8P, 7-(2-Chlorophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(drug candidate; preparation of bicyclic oxopyridine and oxopyrimidine derivs. as potent selective inhibitors of p38 kinase)

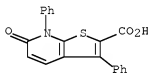
RN 514182-85-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3,7-diphenyl-, ethyl ester (CA INDEX NAME)



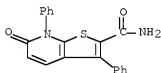
RN 514183-98-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3,7-diphenyl- (CA INDEX NAME)



RN 514184-30-6 CAPLUS

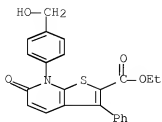
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3,7-diphenyl- (CA INDEX NAME)



RN 514184-46-4 CAPLUS

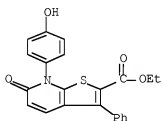
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-(hydroxymethyl)phenyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)





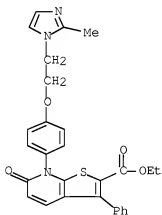
RN 514184-47-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(4-hydroxyphenyl)-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



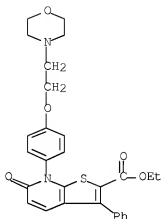
RN 514184-49-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



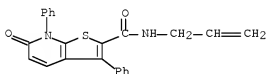
RN 514184-51-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-[2-(4-morpholinyl)ethoxy]phenyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



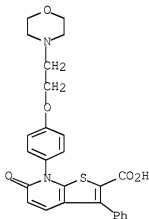
RN 514184-54-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3,7-diphenyl-N-2-propen-1-yl- (CA INDEX NAME)



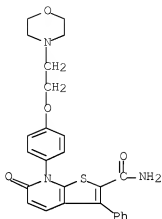
RN 514184-63-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-[2-(4-morpholinyl)ethoxy]phenyl]-6-oxo-3-phenyl- (CA INDEX NAME)



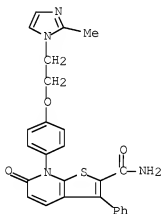
RN 514184-64-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-7-[4-[2-(4-morpholinyl)ethoxy]phenyl]-6-oxo-3-phenyl- (CA INDEX NAME)



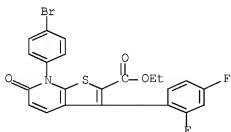
RN 514184-68-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-3-phenyl- (CA INDEX NAME)



RN 514184-74-8 CAPLUS

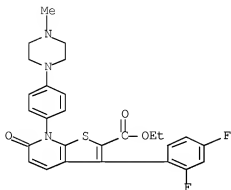
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-bromophenyl)-3-(2,4-difluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



RN 514184-75-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2,4-difluorophenyl)-6,7-

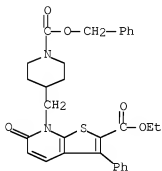
dihydro-7-[4-(4-methyl-1-piperazinyl)phenyl]-6-oxo-, ethyl ester,  
hydrochloride (1:?) (CA INDEX NAME)



●x HCl

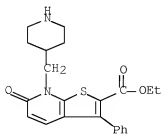
RN 514184-80-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-[[1-(phenylmethoxy)carbonyl]-4-piperidinylmethyl]-, ethyl ester (CA INDEX NAME)



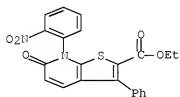
RN 514184-81-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-(4-piperidinylmethyl)-, ethyl ester (CA INDEX NAME)



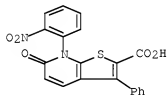
RN 514184-83-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(2-nitrophenyl)-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



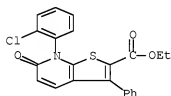
RN 514184-86-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(2-nitrophenyl)-6-oxo-3-phenyl- (CA INDEX NAME)



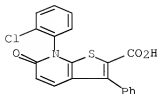
RN 514184-88-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(2-chlorophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



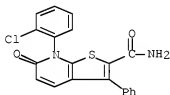
RN 514184-89-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(2-chlorophenyl)-6,7-dihydro-6-oxo-3-phenyl- (CA INDEX NAME)



RN 514184-90-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 7-(2-chlorophenyl)-6,7-dihydro-6-oxo-3-phenyl- (CA INDEX NAME)



IT 514182-87-7P, Ethyl 7-cyclopropylmethyl-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-89-9P, Ethyl 7-(4-dimethylaminophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-91-3P, Ethyl 7-(4-methoxyphenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-93-5P, Ethyl 7-(3-methoxyphenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-94-6P, Ethyl 6-oxo-3-phenyl-7-(4-tolyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-96-8P, Ethyl 7-(5-indolyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-98-0P, Ethyl 6-oxo-3-phenyl-7-(3-thienyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-00-7P, Ethyl 6-oxo-3-phenyl-7-(4-trifluoromethoxyphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-02-9P, Ethyl 7-(3-fluorophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-04-1P, Ethyl 7-(4-fluorophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-06-3P, Ethyl 7-(4-chlorophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-08-5P, Ethyl 7-(3-cyanophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-10-9P, Ethyl 6-oxo-3-phenyl-7-(3-tolyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-11-0P, Ethyl 6-oxo-3-phenyl-7-(4-trifluoromethylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-13-2P, Ethyl 7-(3-bromophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-14-3P, Ethyl 3-(4-fluorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-16-5P, Ethyl 7-(3-chlorophenyl)-3-(4-fluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-19-8P, Ethyl 6-oxo-7-phenyl-3-(2-tolyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-21-2P, Ethyl 6-oxo-7-phenyl-3-(3-tolyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-23-4P, Ethyl 6-oxo-7-phenyl-3-(4-tolyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-25-6P, Ethyl 3-(2-methoxyphenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-27-8P, Ethyl

3-(2-fluorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-29-6P, Ethyl 3-(3-chlorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-31-4P, Ethyl 3-(2-chlorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-33-6P, Ethyl 3-(5-chloro-2-methoxyphenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-35-8P, Ethyl 3-(4-fluoro-2-methylphenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-37-0P, Ethyl 3-(2,3-dichlorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-39-2P, Ethyl 3-(2,4-difluorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-41-6P, Ethyl 3-(3-methoxyphenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-43-8P, Ethyl 3-(4-methoxyphenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-45-0P, Ethyl 3-(3-cyanophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-47-2P, Ethyl 3-(4-cyanophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-49-4P, Ethyl 3-(3-fluorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-51-6P, Ethyl 3-(4-chlorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-53-0P, Ethyl 3-(2,4-dichlorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-55-2P, Ethyl 3-(2,5-dichlorophenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-57-4P, Ethyl 3-(5-fluoro-2-methoxyphenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-59-6P, Ethyl 3-(2,6-dimethylphenyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-61-0P, Ethyl 6-oxo-7-phenyl-3-(3-pyridyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-63-2P, Ethyl 6-oxo-7-phenyl-3-(2-trifluoromethylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-65-4P, Ethyl 6-oxo-7-phenyl-3-(3-trifluoromethylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-66-5P, Ethyl 6-oxo-7-phenyl-3-(4-trifluoromethylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-68-7P, Ethyl 6-oxo-3-phenyl-7-(3-pyridinyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-70-1P, Ethyl 7-benzyl-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-72-3P, Ethyl 7-(cyclohexylmethyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-74-5P, Ethyl 6-oxo-7-(1-phenylethyl)-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-76-7P, Ethyl 7-(3-methoxybenzyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-78-9P, Ethyl 7-(2,6-difluorobenzyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-80-3P, Ethyl 7-(3-methylbutyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-82-5P, Ethyl 7-allyl-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-84-7P, Ethyl 6-oxo-7-(2-phenylethyl)-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-86-9P, Ethyl 7-(2-chlorobenzyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-88-1P, Ethyl 7-(3-chlorobenzyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-90-5P, Ethyl 7-(4-chlorobenzyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-92-7P, Ethyl 7-(2-morpholinoethyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-94-9P, Ethyl 7-(4-bromophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514183-96-1P, Ethyl 7-(4-morpholinophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-00-0P, 2-[(4-Methylpiperazino)carbonyl]-3,7-diphenylthieno[2,3-b]pyridine-6(7H)-one 514184-02-2P, N-Ethyl-6-oxo-3,7-diphenyl-6-

dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-04-4P,  
 N-(3-Hydroxypropyl)-6-oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-  
 carboxamide 514184-06-6P, 6-Oxo-3,7-diphenyl-N-[2-(1-  
 pyrrolidinyl)ethyl]-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide  
 514184-09-8P, 6-Oxo-3,7-diphenyl-N-(2-piperidinoethyl)-6,7-  
 dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-10-2P,  
 N-(3-Methoxypropyl)-6-oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-  
 carboxamide 514184-12-4P, N-(2-Methoxyethyl)-6-oxo-3,7-diphenyl-  
 6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-14-6P,  
 3,7-Diphenyl-2-(1-pyrrolidinylcarbonyl)thieno[2,3-b]pyridin-6(7H)-one  
 514184-16-8P, N-[3-(1H-Imidazol-1-yl)propyl]-6-oxo-3,7-diphenyl-  
 6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-18-0P,  
 N-(2-Morpholinoethyl)-6-oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-  
 2-carboxamide 514184-20-4P, N-[3-(4-Methylpiperazino)propyl]-6-  
 oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide  
 514184-22-6P, N-(3-Morpholinopropyl)-6-oxo-3,7-diphenyl-6,7-  
 dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-24-8P,  
 N,N-Diethyl-6-oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-  
 carboxamide 514184-26-0P, N,N-Dimethyl-6-oxo-3,7-diphenyl-6,7-  
 dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-28-2P,  
 N-Methyl-6-oxo-3,7-diphenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide  
 514184-32-8P, N-Methoxy-N-methyl-6-oxo-3,7-diphenyl-6,7-  
 dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-45-3P, Ethyl  
 7-[4-(benzyloxy)phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-  
 carboxylate 514184-48-6P, Ethyl 7-[4-(2-hydroxyethoxy)phenyl]-6-  
 oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate  
 514184-55-5P, N-(2,3-Dihydroxypropyl)-6-oxo-3,7-diphenyl-6,7-  
 dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-66-8P, Ethyl  
 7-[4-(2,3-dihydroxypropoxy)phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-  
 b]pyridine-2-carboxylate 514184-72-6P, Ethyl  
 7-[4-[(2-methyl-1H-imidazol-1-yl)methyl]phenyl]-6-oxo-3-phenyl-6,7-  
 dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-79-3P, Ethyl  
 6-Oxo-3-phenyl-7-[(pyridin-3-yl)methyl]-6,7-dihydrothieno[2,3-b]pyridine-2-  
 carboxylate 514184-82-8P, Ethyl 7-[(1-Methanesulfonylpiperidin-4-  
 yl)methyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate  
 514184-84-0P, Ethyl 7-(2-aminophenyl)-6-oxo-3-phenyl-6,7-  
 dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-85-1P, Ethyl  
 7-(2-ethylaminophenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-  
 carboxylate 514184-87-3P, 7-(2-Nitrophenyl)-6-oxo-3-phenyl-6,7-  
 dihydrothieno[2,3-b]pyridine-2-carboxamide 514184-93-1P, Ethyl  
 3-(2,4-difluorophenyl)-7-[4-(4-methylpiperazin-1-yl)phenyl]-6-oxo-6,7-  
 dihydrothieno[2,3-b]pyridine-2-carboxylate

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

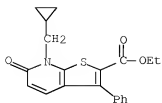
(drug candidate; preparation of bicyclic oxopyridine and oxopyrimidine

derivs. as potent selective inhibitors of p38 kinase)

RN 514182-87-7 CAPLUS

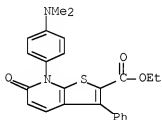
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclopropylmethyl)-6,7-dihydro-  
 6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)





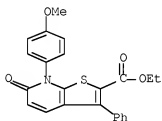
RN 514182-89-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(dimethylamino)phenyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



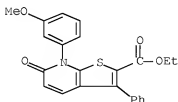
RN 514182-91-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(4-methoxyphenyl)-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



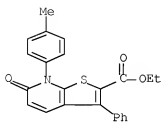
RN 514182-93-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(3-methoxyphenyl)-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



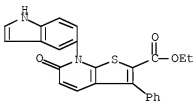
RN 514182-94-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(4-methylphenyl)-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



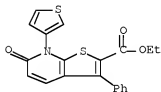
RN 514182-96-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(1H-indol-5-yl)-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



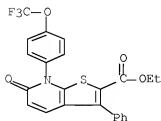
RN 514182-98-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-(3-thienyl)-, ethyl ester (CA INDEX NAME)



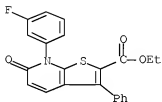
RN 514183-00-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-[4-(trifluoromethoxy)phenyl]-, ethyl ester (CA INDEX NAME)



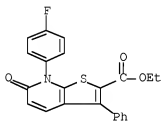
RN 514183-02-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(3-fluorophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



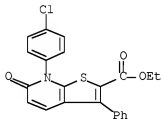
RN 514183-04-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-fluorophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



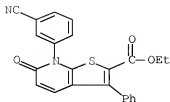
RN 514183-06-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-chlorophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



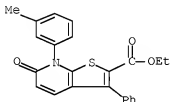
RN 514183-08-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(3-cyanophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



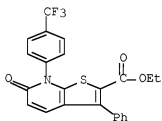
RN 514183-10-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(3-methylphenyl)-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



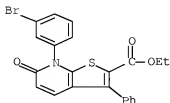
RN 514183-11-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-[4-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



RN 514183-13-2 CAPLUS

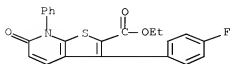
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(3-bromophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



RN 514183-14-3 CAPLUS

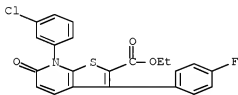
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(4-fluorophenyl)-6,7-dihydro-6-

oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



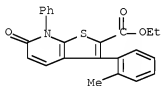
RN 514183-16-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(3-chlorophenyl)-3-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



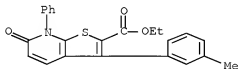
RN 514183-19-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(2-methylphenyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



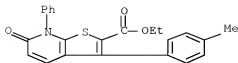
RN 514183-21-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(3-methylphenyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



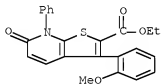
RN 514183-23-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(4-methylphenyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



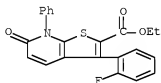
RN 514183-25-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(2-methoxyphenyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



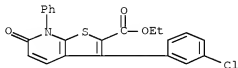
RN 514183-27-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2-fluorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



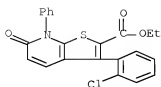
RN 514183-29-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(3-chlorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



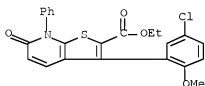
RN 514183-31-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2-chlorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



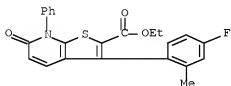
RN 514183-33-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(5-chloro-2-methoxyphenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



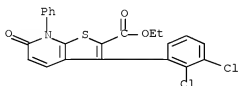
RN 514183-35-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(4-fluoro-2-methylphenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



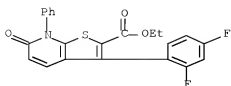
RN 514183-37-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2,3-dichlorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



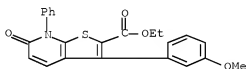
RN 514183-39-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2,4-difluorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



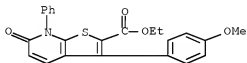
RN 514183-41-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(3-methoxyphenyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



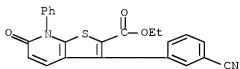
RN 514183-43-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(4-methoxyphenyl)-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



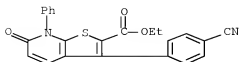
RN 514183-45-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(3-cyanophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



RN 514183-47-2 CAPLUS

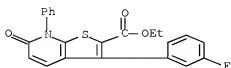
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(4-cyanophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)





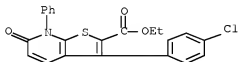
RN 514183-49-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(3-fluorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



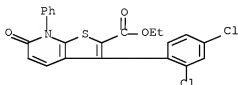
RN 514183-51-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(4-chlorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



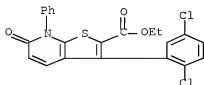
RN 514183-53-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2,4-dichlorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



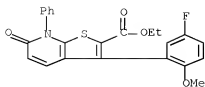
RN 514183-55-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2,5-dichlorophenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



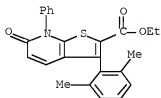
RN 514183-57-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(5-fluoro-2-methoxyphenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



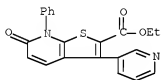
RN 514183-59-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2,6-dimethylphenyl)-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



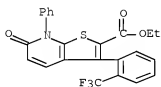
RN 514183-61-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-(3-pyridinyl)-, ethyl ester (CA INDEX NAME)



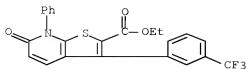
RN 514183-63-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[2-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



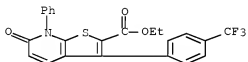
RN 514183-65-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[3-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



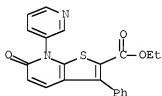
RN 514183-66-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-7-phenyl-3-[4-(trifluoromethyl)phenyl]-, ethyl ester (CA INDEX NAME)



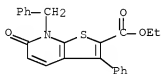
RN 514183-68-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-(3-pyridinyl)-, ethyl ester (CA INDEX NAME)



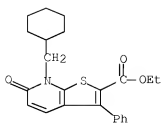
RN 514183-70-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-(phenylmethyl)-, ethyl ester (CA INDEX NAME)



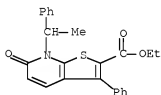
RN 514183-72-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(cyclohexylmethyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



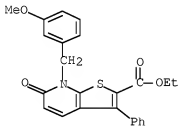
RN 514183-74-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-(1-phenylethyl)-, ethyl ester (CA INDEX NAME)



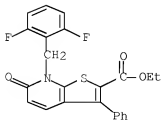
RN 514183-76-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[(3-methoxyphenyl)methyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



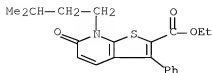
RN 514183-78-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[(2,6-difluorophenyl)methyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



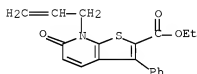
RN 514183-80-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-(3-methylbutyl)-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



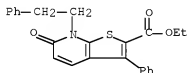
RN 514183-82-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-(2-propen-1-yl)-, ethyl ester (CA INDEX NAME)



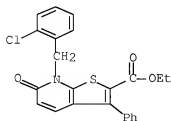
RN 514183-84-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-(2-phenylethyl)-, ethyl ester (CA INDEX NAME)



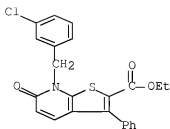
RN 514183-86-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[(2-chlorophenyl)methyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



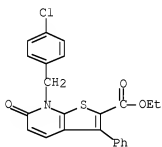
RN 514183-88-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[(3-chlorophenyl)methyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



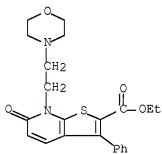
RN 514183-90-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[(4-chlorophenyl)methyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



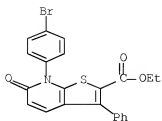
RN 514183-92-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[2-(4-morpholinyl)ethyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



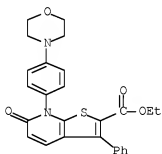
RN 514183-94-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(4-bromophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



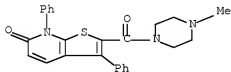
RN 514183-96-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-(4-morpholinyl)phenyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



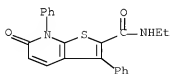
RN 514184-00-0 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 2-[(4-methyl-1-piperazinyl)carbonyl]-3,7-diphenyl- (CA INDEX NAME)



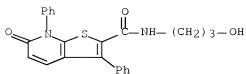
RN 514184-02-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, N-ethyl-6,7-dihydro-6-oxo-3,7-diphenyl- (CA INDEX NAME)



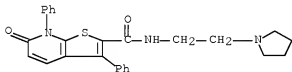
RN 514184-04-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-(3-hydroxypropyl)-6-oxo-3,7-diphenyl- (CA INDEX NAME)



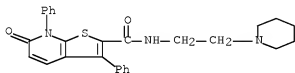
RN 514184-06-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3,7-diphenyl-N-[2-(1-pyrrolidinyl)ethyl]- (CA INDEX NAME)



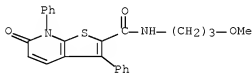
RN 514184-08-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3,7-diphenyl-N-[2-(1-piperidinyl)ethyl]- (CA INDEX NAME)



RN 514184-10-2 CAPLUS

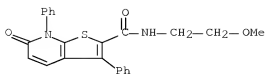
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-(3-methoxypropyl)-6-oxo-3,7-diphenyl- (CA INDEX NAME)



RN 514184-12-4 CAPLUS

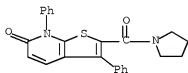
CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-(2-methoxyethyl)-6-oxo-3,7-diphenyl- (CA INDEX NAME)





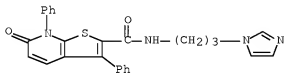
RN 514184-14-6 CAPLUS

CN Thieno[2,3-b]pyridine-6(7H)-one, 3,7-diphenyl-2-(1-pyrrolidinylcarbonyl)- (CA INDEX NAME)



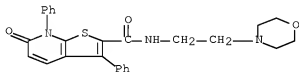
RN 514184-16-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[3-(1H-imidazol-1-yl)propyl]-6-oxo-3,7-diphenyl- (CA INDEX NAME)



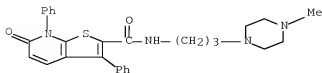
RN 514184-18-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[2-(4-morpholinyl)ethyl]-6-oxo-3,7-diphenyl- (CA INDEX NAME)



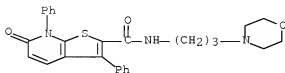
RN 514184-20-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[3-(4-methyl-1-piperazinyl)propyl]-6-oxo-3,7-diphenyl- (CA INDEX NAME)



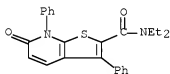
RN 514184-22-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-[3-(4-morpholinyl)propyl]-6-oxo-3,7-diphenyl- (CA INDEX NAME)



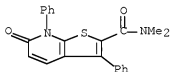
RN 514184-24-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, N,N-diethyl-6,7-dihydro-6-oxo-3,7-diphenyl- (CA INDEX NAME)



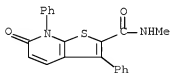
RN 514184-26-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N,N-dimethyl-6-oxo-3,7-diphenyl- (CA INDEX NAME)



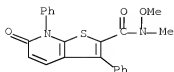
RN 514184-28-2 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-methyl-6-oxo-3,7-diphenyl- (CA INDEX NAME)



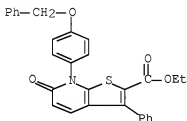
RN 514184-32-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-N-methoxy-N-methyl-6-oxo-3,7-diphenyl- (CA INDEX NAME)



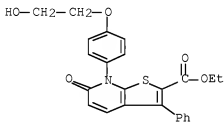
RN 514184-45-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-[4-(phenylmethoxy)phenyl]-, ethyl ester (CA INDEX NAME)



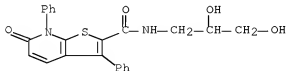
RN 514184-48-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-(2-hydroxyethoxy)phenyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



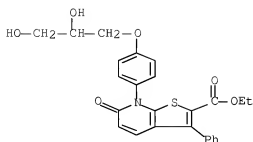
RN 514184-55-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, N-(2,3-dihydroxypropyl)-6,7-dihydro-6-oxo-3,7-diphenyl- (CA INDEX NAME)



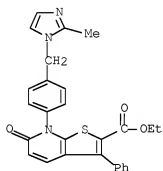
RN 514184-66-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(2,3-dihydroxypropoxy)phenyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



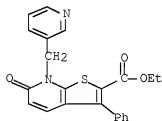
RN 514184-72-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-[(2-methyl-1H-imidazol-1-yl)methyl]phenyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



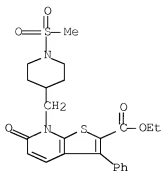
RN 514184-79-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-7-(3-pyridinylmethyl)-, ethyl ester (CA INDEX NAME)



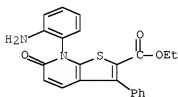
RN 514184-82-8 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[[1-(methylsulfonyl)-4-piperidinyl]methyl]-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



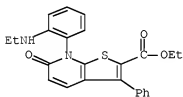
RN 514184-84-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-(2-(aminophenyl)-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



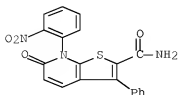
RN 514184-85-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[2-(ethylamino)phenyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



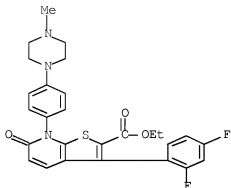
RN 514184-87-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-7-(2-nitrophenyl)-6-oxo-3-phenyl- (CA INDEX NAME)



RN 514184-93-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2,4-difluorophenyl)-6,7-dihydro-7-[4-(4-methyl-1-piperazinyl)phenyl]-6-oxo-, ethyl ester (CA INDEX NAME)

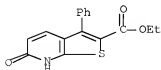


IT 514182-39-9P, Ethyl 6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-52-6P, Ethyl 3-bromo-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-57-1P, Ethyl 3-bromo-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-61-7P, Ethyl 3-(4-fluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514182-64-0P, 6-Oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide 514182-68-4P, 6-Oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 514182-77-5P, Ethyl 3-(2,4-difluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-67-9P, Ethyl 7-[4-(2,2-dimethyl-[1,3]dioxan-4-ylmethoxy)phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate 514184-69-1P, 7-[4-[2-(2-Methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylic acid 514184-73-7P, Ethyl 7-(4-chloromethylphenyl)-6-oxo-3-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of bicyclic oxypyridine and oxypyrimidine derivs. as potent selective inhibitors of p38 kinase)

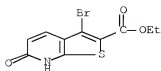
RN 514182-39-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



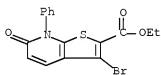
RN 514182-52-6 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



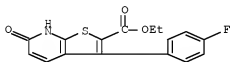
RN 514182-57-1 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-bromo-6,7-dihydro-6-oxo-7-phenyl-, ethyl ester (CA INDEX NAME)



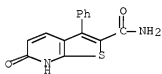
RN 514182-61-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(4-fluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



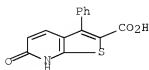
RN 514182-64-0 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxamide, 6,7-dihydro-6-oxo-3-phenyl- (CA INDEX NAME)



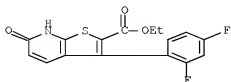
RN 514182-68-4 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-6-oxo-3-phenyl- (CA INDEX NAME)



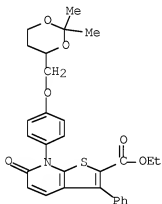
RN 514182-77-5 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-(2,4-difluorophenyl)-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)



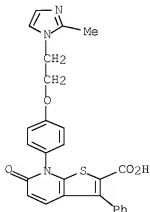
RN 514184-67-9 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-[(2,2-dimethyl-1,3-dioxan-4-yl)methoxy]phenyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



RN 514184-69-1 CAPLUS

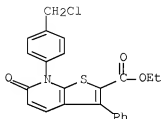
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-3-phenyl- (CA INDEX NAME)





RN 514184-73-7 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 7-[4-(chloromethyl)phenyl]-6,7-dihydro-6-oxo-3-phenyl-, ethyl ester (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 16 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:851387 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 138:337962

TITLE: Anilinomethylidene derivatives of cyclic 1,3-dicarbonyl compounds in the synthesis of new sulfur-containing pyridines and quinolines

AUTHOR(S): Dotsenko, V. V.; Krivokolysko, S. G.; Chernega, A. N.; Litvinov, V. P.

CORPORATE SOURCE: East-Ukrainian National University, Luhansk, 91034, Ukraine

SOURCE: Russian Chemical Bulletin (Translation of Izvestiya Akademii Nauk, Seriya Khimicheskaya) (2002), 51(8), 1556-1561

CODEN: RCBUEY; ISSN: 1066-5285

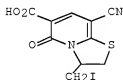
PUBLISHER: Kluwer Academic/Consultants Bureau

DOCUMENT TYPE: Journal

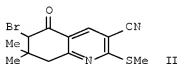
LANGUAGE: English

OTHER SOURCE(S): CASREACT 138:337962

GI



I



II

AB Simple methods for the synthesis of previously unknown sulfur-containing pyridin-2-ones, e.g. I, and 5,6,7,8-tetrahydroquinolines, e.g. II, from cyanothioacetamide and anilinomethylidene derivs. of cyclic 1,3-dicarbonyl compds. were developed. Structures and chemical transformations of compds. obtained were studied. Crystal structure of I is reported.

IT 369393-07-7P 439946-16-6P 439946-22-2P

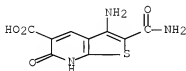
RL: SPN (Synthetic preparation); PREP (Preparation)

(anilinomethylidene derivs. of cyclic 1,3-dicarbonyl compds. in

synthesis of sulfur-containing pyridines and quinolines via  
cyclocondensation, bromination, and regioselective S-alkylation)

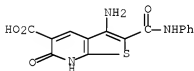
RN 369393-07-7 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-(aminocarbonyl)-6,7-dihydro-6-oxo- (CA INDEX NAME)



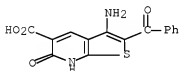
RN 439946-18-6 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-6,7-dihydro-6-oxo-2-[(phenylamino)carbonyl]- (CA INDEX NAME)



RN 439946-22-2 CAPLUS

CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-benzoyl-6,7-dihydro-6-oxo- (CA INDEX NAME)



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 17 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:933443 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 136:294715

TITLE: New method of synthesis of 5-acetyl-3-cyano-6-

methylpyridine-2(1H)-thione and its properties

Yakunin, Ya. Yu.; Dyachenko, V. D.; Litvinov, V. P.

CORPORATE SOURCE: Lugansk Taras Shevchenko State Pedagogical University, Luhansk, 91011, Ukraine

SOURCE: Chemistry of Heterocyclic Compounds (New York, NY, United States) (Translation of Khimiya

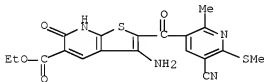
Geterotsiklicheskikh Soedinenii) (2001), 37(5), 581-587

CODEN: CHCCAL; ISSN: 0009-3122

PUBLISHER: Kluwer Academic/Consultants Bureau

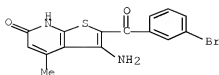
DOCUMENT TYPE: Journal

LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 136:294715  
 AB 5-Acetyl-3-cyano-6-methylpyridine-2(1H)-thione was obtained by the reaction of ethoxymethyleneacetylacetone with cyanothioacetamide in the presence of N-methylmorpholine. Its alkylation, bromination of the 2-methylthio derivative, and the conversions of its 5-bromoacetyl derivative have been studied.  
 IT 408350-60-7  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation and reactions of 5-acetyl-3-cyano-6-methylpyridine-2(1H)-thione)  
 RN 408350-60-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-5-carboxylic acid, 3-amino-2-[[5-cyano-2-methyl-6-(methylthio)-3-pyridinyl]carbonyl]-6,7-dihydro-6-oxo-, ethyl ester (CA INDEX NAME)

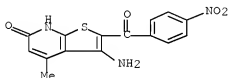


REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

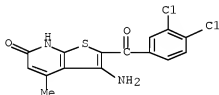
L16 ANSWER 18 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1998:70785 CAPLUS Full-text  
 DOCUMENT NUMBER: 128:153988  
 ORIGINAL REFERENCE NO.: 128:30345a,30348a  
 TITLE: Synthesis and some properties of 4-alkyl-5-cyano-6-mercapto-3,4-dihydropyridin-2(1H)-ones  
 AUTHOR(S): Dyachenko, V. D.; Krivokolysko, S. G.; Litvinov, V. P.  
 CORPORATE SOURCE: T. G. Shevchenko Lugansk State Pedagogical Institute, Luhansk, 348011, Ukraine  
 SOURCE: Russian Chemical Bulletin (Translation of Izvestiya Akademii Nauk, Seriya Khimicheskaya) (1997), 46(11), 1912-1915  
 CODEN: RCBUEY; ISSN: 1066-5285  
 PUBLISHER: Consultants Bureau  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB Condensation of RCHO [R = Et, Me], cyanothioacetamide, Meldrum's acid, and N-methylmorpholine occurs via the intermediate formation of Michael adducts and yields 4-alkyl-5-cyano-6-mercapto-3,4-dihydropyridin-2(1H)-ones. The oxidation of the reaction products with DMSO and their alkylation were studied.  
 IT 202519-95-7F 202519-96-8P 202519-97-9P  
 202519-98-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and reactions of 4-alkyl-5-cyano-6-mercapto-3,4-dihydropyridin-2(1H)-ones)  
 RN 202519-95-7 CAPLUS  
 CN Thieno[2,3-b]pyridine-6(7H)-one, 3-amino-2-(3-bromobenzoyl)-4-methyl- (CA INDEX NAME)



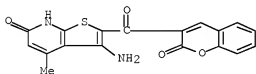
RN 202519-96-8 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-4-methyl-2-(4-nitrobenzoyl)- (CA INDEX NAME)



RN 202519-97-9 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-2-(3,4-dichlorobenzoyl)-4-methyl- (CA INDEX NAME)



RN 202519-98-0 CAPLUS  
 CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-4-methyl-2-[(2-oxo-2H-1-benzopyran-3-yl)carbonyl]- (CA INDEX NAME)



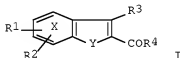
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 19 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1995:662485 CAPLUS [Full-text](#)  
 DOCUMENT NUMBER: 123:55855  
 ORIGINAL REFERENCE NO.: 123:10055a,10058a  
 TITLE: Preparation of furopyridine and thienopyridine derivatives for treatment of osteoporosis  
 INVENTOR(S): Ooe, Takanori; Sano, Mitsuharu; Kobayashi, Haruhito;

PATENT ASSIGNEE(S): Chiba, Kenji; Azuma, Hidemitsu  
Yoshitomi Pharmaceutical Industries, Ltd., Japan;  
Nippon Tobacco Sangyo  
SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07076586	A	19950320	JP 1994-163654	19940715
PRIORITY APPLN. INFO.:			JP 1994-163654	A 19940715
			JP 1993-198943	19930716

OTHER SOURCE(S): MARPAT 123:55855  
GI

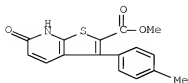


AB The title compds. [I; ring X = pyridine ring; Y = S, O; R1, R2 = H, halo, alkyl, alkoxy, OH, cyano, haloalkyl, CO2H, optionally alkyl-substituted NH2 or CONH2, alkoxycarbonyl, (un)substituted Ph; or R1 and R2 are bonded together to represent a group forming a benzene ring; R3 = Ph or heterocyclyl having 1-3 substituents selected from halo, alkyl, OH, SH, alkylthio, alkylsulfinyl, alkylsulfonyl, haloalkyl, cyano, NO2, acyl, alkoxycarbonyl, CO2H, optionally alkyl-substituted CONH2 or carbamoylalkyl, alkylenedioxy, and cyanoalkyl; R4 = HO, alkyl, alkoxy, NR5R6, cyclic amino, (un)substituted Ph; wherein R5, R6 = H, alkyl, optionally alkyl-substituted aminoalkyl, (un)substituted Ph or aralkyl], which have potent effect for inhibiting bone absorption, are prepared. Thus, Me thioglycolate was added dropwise to a suspension of NaH in DMF and after stirring the mixture at 0-5° for 30 min, 2-chloro-3-(2-thenoyl)pyridine was added followed by stirring the resulting mixture at room temperature to give, after workup, thieno[2,3-b]pyridine derivative (II; R2 = H, R3 = 2-thienyl, R4 = OMe). II (R2 = Me2CH, R3 = p-MeC6H4, R4 = OH) in vitro showed IC50 of 5.1 µM for inhibiting the release of Ca from a mouse thigh bone into a culture medium containing rat thyroid hormone.

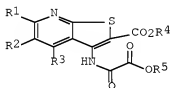
IT 164657-33-4P  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(preparation of furopyridine and thienopyridine derivs. as bone absorption inhibitors and for treatment of osteoporosis)

RN 164657-33-4 CAPLUS

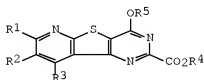
CN Thieno[2,3-b]pyridine-2-carboxylic acid, 6,7-dihydro-3-(4-methylphenyl)-6-oxo-, methyl ester (CA INDEX NAME)



L16 ANSWER 20 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN  
 ACCESSION NUMBER: 1993:625908 CAPLUS Full-text  
 DOCUMENT NUMBER: 119:225908  
 ORIGINAL REFERENCE NO.: 119:40327a,40330a  
 TITLE: Synthesis of thieno[2,3-b]pyridines with an oxalamidic acid or an oxalamidic alkyl ester residue and of 4-alkoxyipyrido[3',2':4,5]thieno[3,2-d]pyrimidine-2-carboxylic acid derivatives  
 AUTHOR(S): Wagner, G.; Leistner, S.; Vieweg, H.; Krasselt, U.; Prantzt, J.  
 CORPORATE SOURCE: Fachbereich Biowiss., Univ. Leipzig, Leipzig, Germany  
 SOURCE: Pharmazie (1993), 48(5), 342-6  
 CODEN: PHARAT; ISSN: 0031-7144  
 DOCUMENT TYPE: Journal  
 LANGUAGE: German  
 GI

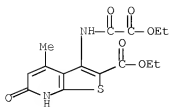


I



II

AB N-[2-(alkoxycarbonyl)thieno[2,3-b]pyrid-3-yl]oxalamidic acid alkyl esters I (R1 = hydroxy, Me, Ph, etc.; R2 = H; R3 = Me, Ph, etc.; R4, R5 = Me, Et) were prepared by the reaction of 3-amino-2-carboxylic esters with oxalic acid di-Et in presence of Na alkoxides. Some 3-amino-2- cyanothieno[2,3-b]pyridines yielded under the same conditions [via intermediate N-(2-cyanothieno[2,3-b]pyrid-3-yl)oxalamidic acid alkyl esters] the 4-alkoxyipyrido[3',2':4,5]thieno[3,2-d]pyrimidine-2- carboxylates II (R1 = Me, Ph, etc.; R2 = H, Me, benzyl, etc.; R3 = Me, Ph, etc.; R4 = H, alkyl; R5 = Me, Et). The esters II were hydrolyzed to give the corresponding carboxylic acids. The prepared substances showed an antianaphylactic activity. Thus, at 1x10<sup>-5</sup> M i.p. in rats, II (R1, R4, R5 = Me, R2 = H, R3 = Ph) caused 49.2% inhibition of passive cutaneous anaphylaxis 30 min. after administration.  
 IT 150885-94-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation of preparation of)  
 RN 150885-94-2 CAPLUS  
 CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-[(ethoxyoxoacetyl)amino]-6,7-dihydro-4-methyl-6-oxo-, ethyl ester (9CI) (CA INDEX NAME)

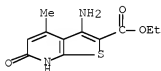


IT 150885-87-3

RL: RCT (Reactant); RACT (Reactant or reagent)  
(reactant for (alkoxycarbonyl)thienopyridyloxalamidic ester)

RN 150885-87-3 CAPLUS

CN Thieno[2,3-b]pyridine-2-carboxylic acid, 3-amino-6,7-dihydro-4-methyl-6-oxo-, ethyl ester (CA INDEX NAME)



L16 ANSWER 21 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1991:558996 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 115:158996

ORIGINAL REFERENCE NO.: 115:27219a, 27222a

TITLE: Cyclization reactions of nitriles. XXXIX. Synthesis and transformations of 6-hydroxy-3-cyano-2(1H)-pyridinechalcogenones

AUTHOR(S): Dyachenko, V. D.; Sharanin, Yu. A.; Shestopalov, A. M.; Rodinovskaya, L. A.; Turov, A. V.; Litvinov, V. P.; Promononkov, V. K.

CORPORATE SOURCE: Voroshilovgr. Gos. Pedagog. Inst., Voroshilovgrad, USSR

SOURCE: Zhurnal Obshchei Khimii (1990), 60(10), 2384-92

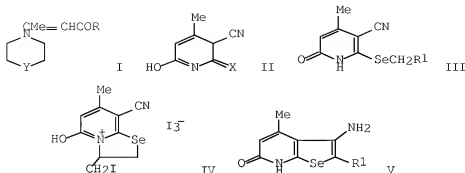
CODEN: ZOKHA4; ISSN: 0044-460X

DOCUMENT TYPE: Journal

LANGUAGE: Russian

OTHER SOURCE(S): CASREACT 115:158996

GI



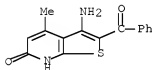
AB The cyclization of  $\text{NCCH}_2\text{CCKNH}_2$  ( $\text{X} = \text{O}, \text{S}, \text{Se}$ ) with crotonate derivs. I ( $\text{R} = \text{OEt}, \text{NHPh}$ ;  $\text{Y} = \text{O}, \text{CH}_2$ ) gave, after hydrolysis, pyridinechalcogenones II. Alkylation of II afforded the corresponding X-alkyl derivs., e. g., III ( $\text{R}_1 = \text{COPh}, \text{CH}_2\text{CH}_2, \text{CO}_2\text{H}, \text{CO}_2\text{Et}, \text{CO}_2\text{NH}_2$ ). III can be used in the synthesis of Se heterocycles. Thus, e.g., III ( $\text{R}_1 = \text{CH}_2\text{CH}_2$ ) gave selenazolopyrimidine deriv IV on reaction with I2 and III ( $\text{R}_1 = \text{COPh}, \text{CONH}_2$ ) gave selenophenopyridones V on treatment with KOH.

IT 93272-87-8P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 93272-87-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-2-benzoyl-4-methyl- (CA INDEX NAME)



L16 ANSWER 22 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1990:515227 CAPLUS [Full-text](#)

DOCUMENT NUMBER: 113:115227

ORIGINAL REFERENCE NO.: 113:19527a,19530a

TITLE: Polycyclic pyridines. Part 8. Synthesis of new primary, secondary and tertiary 3-aminothieno[2,3-b]pyridine-2-carboxamides by different pathways  
Wagner, G.; Vieweg, H.; Leistner, S.; Boehm, N.; Krasselt, U.; Hanfeld, Vera; Prantz, J.; Grupe, Renate  
Sekt. Biowiss., Karl-Marx-Univ., Leipzig, DDR-7010, Ger. Dem. Rep.

SOURCE: Pharmazie (1990), 45(2), 102-9

CODEN: PHARAT; ISSN: 0031-7144

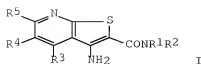
DOCUMENT TYPE: Journal

LANGUAGE: German

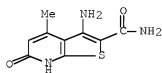
OTHER SOURCE(S): CASREACT 113:115227

GI





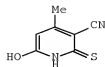
- AB The treatment of 2-thioxo-1,2-dihydropyridine-3-carbonitriles with ClCH2CO2NR1R3 (R1, R2 = H, Me, Et) gave 3-aminothieno[2,3-b]pyridinecarboxylic acid amides I (R1 = H, Et, Me; R2 = H, Et, Bu, cyclohexyl, CH2CH2OH, CH2CO2H; R1R2 = (CH2)5; R3 = Me, Ph, 4-BrC6H4, 3-pyridyl, CONH2, etc; R4 = H, Me, CH2C6H4(CN)-4; R5 = Me, C6H4Cl-4, Ph, C6H4Br-4, furyl, naphthyl, OH). Some of the compds. thus prepared, e.g. I (R1 = R2 = R4 = H, R3 = Me, R5 = Ph) and I (R1 = R4 = H, R2 = CH2CH2OH, R3 = R5 = Me) showed activity as antiallergics in the passive cutaneous anaphylaxis test in rats.
- IT 128918-09-2P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)
- RN 128918-09-2 CAPLUS
- CN Thieno[2,3-b]pyridine-2-carboxamide, 3-amino-6,7-dihydro-4-methyl-6-oxo- (CA INDEX NAME)



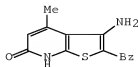
- L16 ANSWER 23 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
- ACCESSION NUMBER: 1984:630317 CAPLUS [Full-text](#)
- DOCUMENT NUMBER: 101:230317
- ORIGINAL REFERENCE NO.: 101:34969a, 34972a
- TITLE: New method for the synthesis of substituted 2-pyridones
- AUTHOR(S): Litvinov, V. P.; Sharanin, Yu. A.; Promonenkov, V. K.; Rodinovskaya, L. A.; Shestopalov, A. M.; Mortikov, V. Yu.
- CORPORATE SOURCE: Inst. Org. Khim. im. Zelinskogo, Moscow, USSR
- SOURCE: Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1984), (8), 1869-70  
CODEN: IASKA6; ISSN: 0002-3353
- DOCUMENT TYPE: Journal
- LANGUAGE: Russian
- OTHER SOURCE(S): CASREACT 101:230317
- GI



II



III



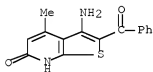
IV

AB Treating RCOCH:CMeR1 (I, R = EtO, PhNH; R1 = morpholino) with NCCH2CSNH2 in EtOH 5 h at 20° gave 87% II (R2 = SH) as its morpholinium salt, which was alkylated by PhCOCH2Br to give 89% II (R2 = SCH2COPh). The latter was also obtained in 93% yield by alkylation of III with PhCOCH2Br in DMF. Oxidation of III by CrO3 gave 57% corresponding ketone. Cyclocondensation of III with PhCOCH2Br in EtOH gave 80% IV. Treating I (R = EtO) with NCCH2CSNH2 and concentrated HCl gave III.

IT 93272-87-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

RN 93272-87-8 CAPLUS

CN Thieno[2,3-b]pyridin-6(7H)-one, 3-amino-2-benzoyl-4-methyl- (CA INDEX NAME)



=> logoff y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

134.59	422.00
--------	--------

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION

CA SUBSCRIBER PRICE

-18.40	-18.40
--------	--------

STN INTERNATIONAL LOGOFF AT 18:38:42 ON 11 JUL 2008